

**This Page Is Inserted by IFW Operations
and is not a part of the Official Record**

BEST AVAILABLE IMAGES

**Defective images within this document are accurate representation of
The original documents submitted by the applicant.**

Defects in the images may include (but are not limited to):

- **BLACK BORDERS**
- **TEXT CUT OFF AT TOP, BOTTOM OR SIDES**
- **FADED TEXT**
- **ILLEGIBLE TEXT**
- **SKEWED/SLANTED IMAGES**
- **COLORED PHOTOS**
- **BLACK OR VERY BLACK AND WHITE DARK PHOTOS**
- **GRAY SCALE DOCUMENTS**

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

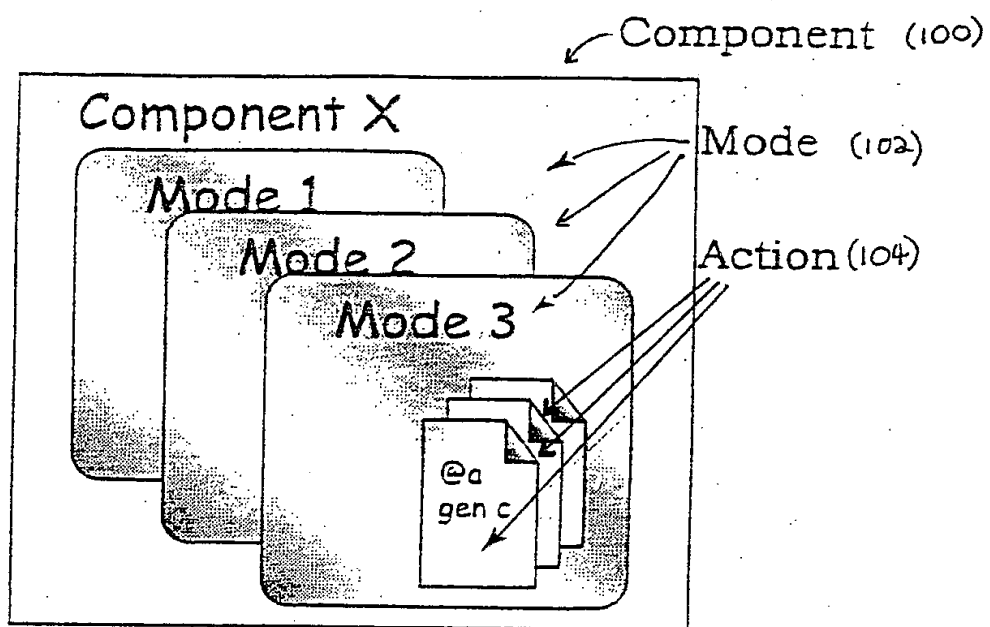


Figure 1

Coordination Interfaces

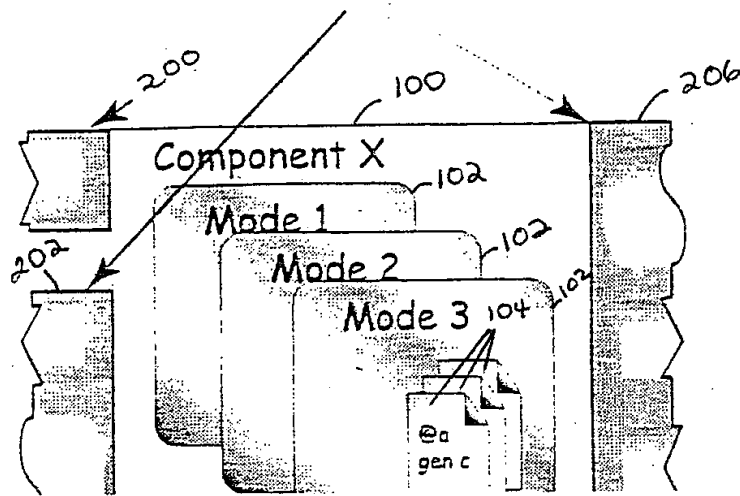


Figure 2

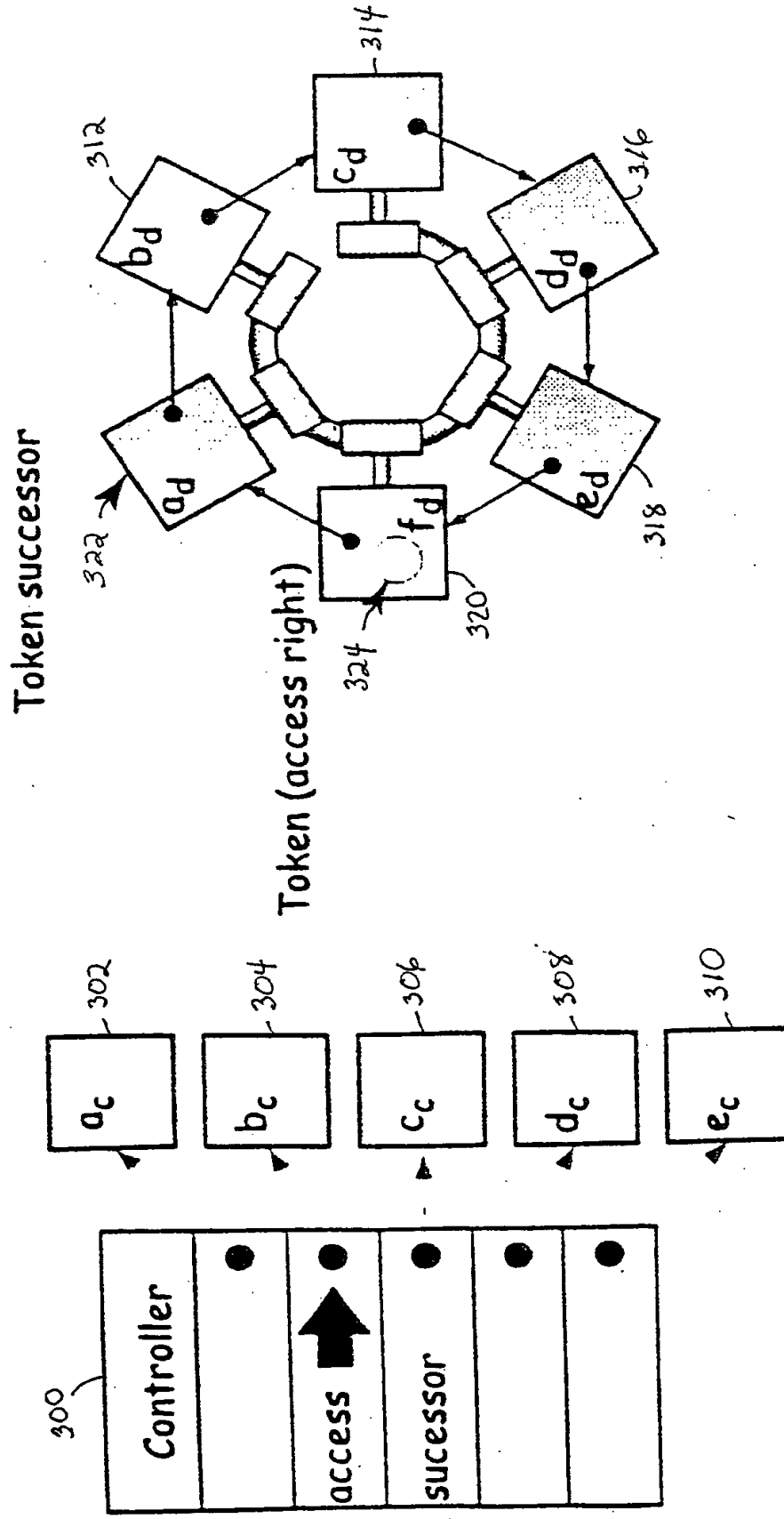


Figure 3A

Figure 3B

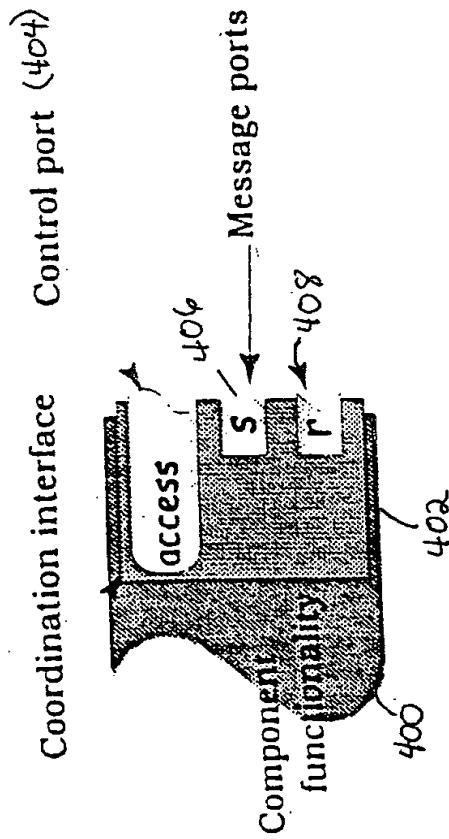


Figure 4A

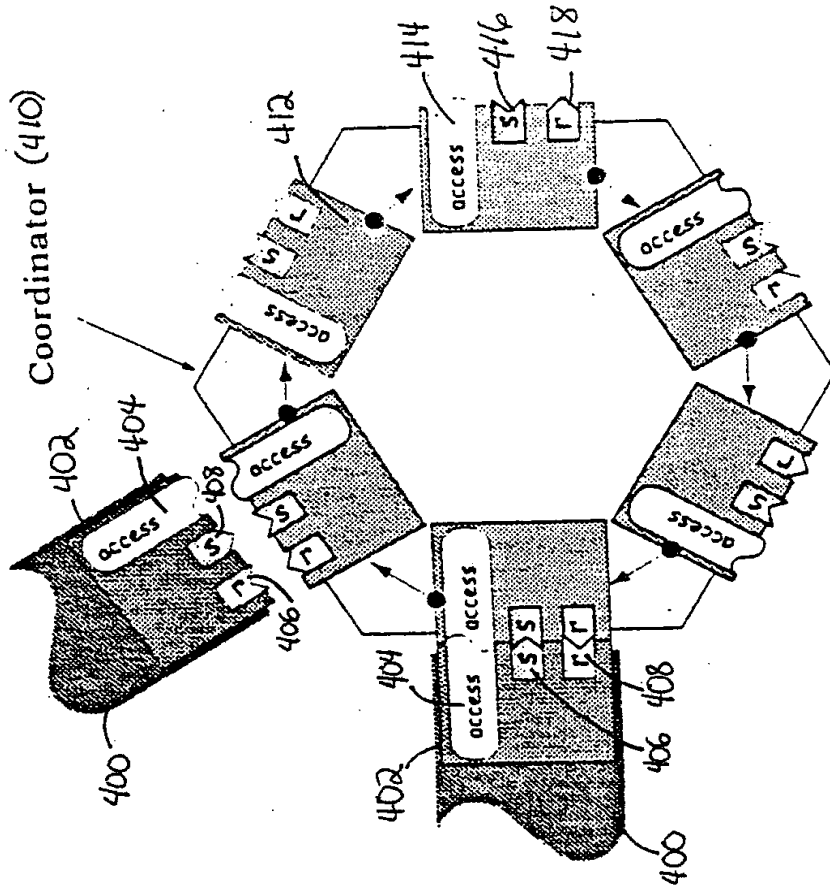


Figure 4B

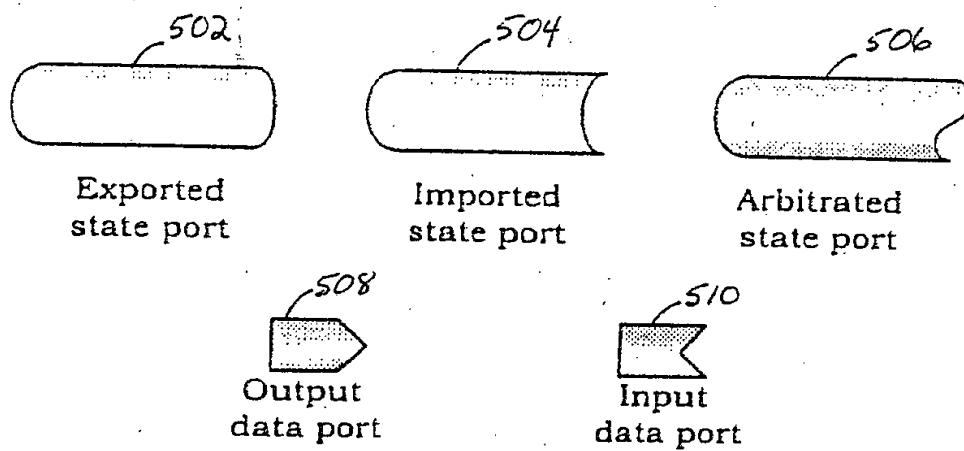


Figure 5

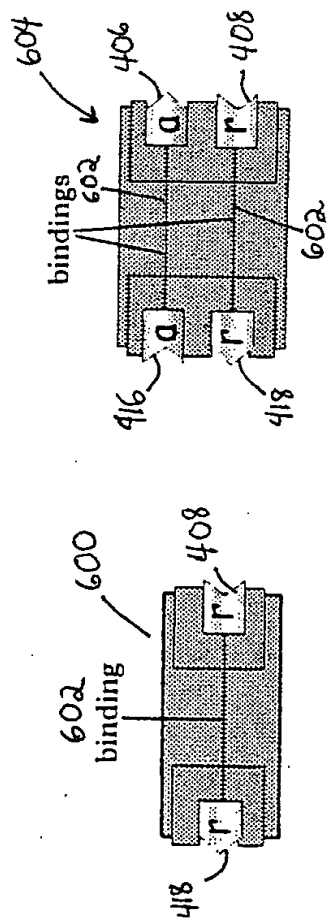


Figure 6A

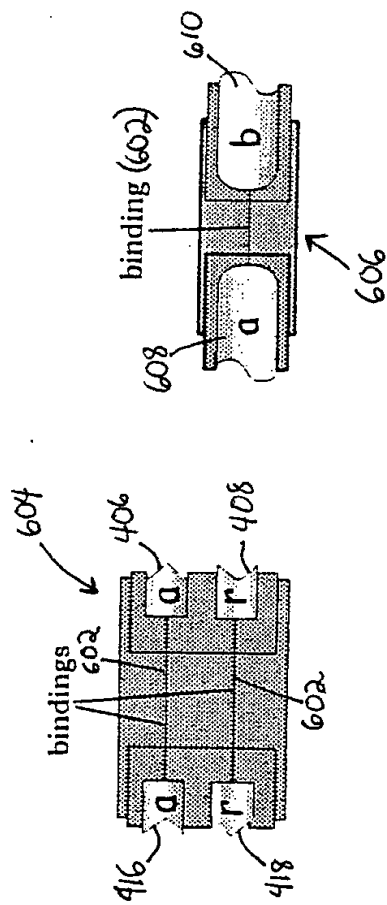


Figure 6B

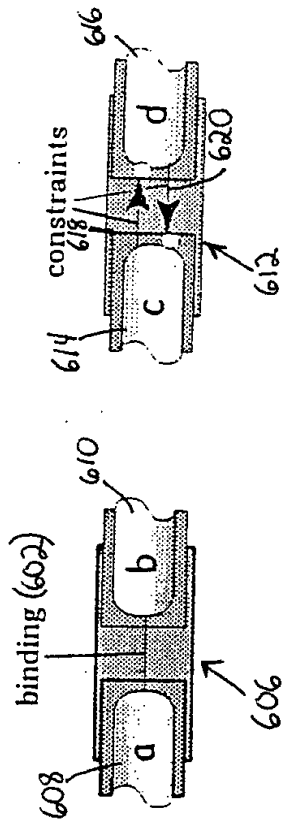


Figure 6C

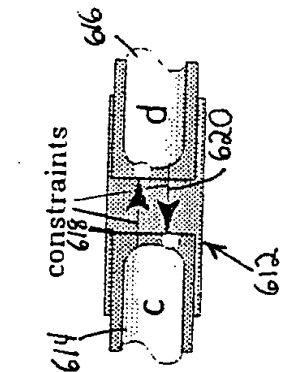


Figure 6D

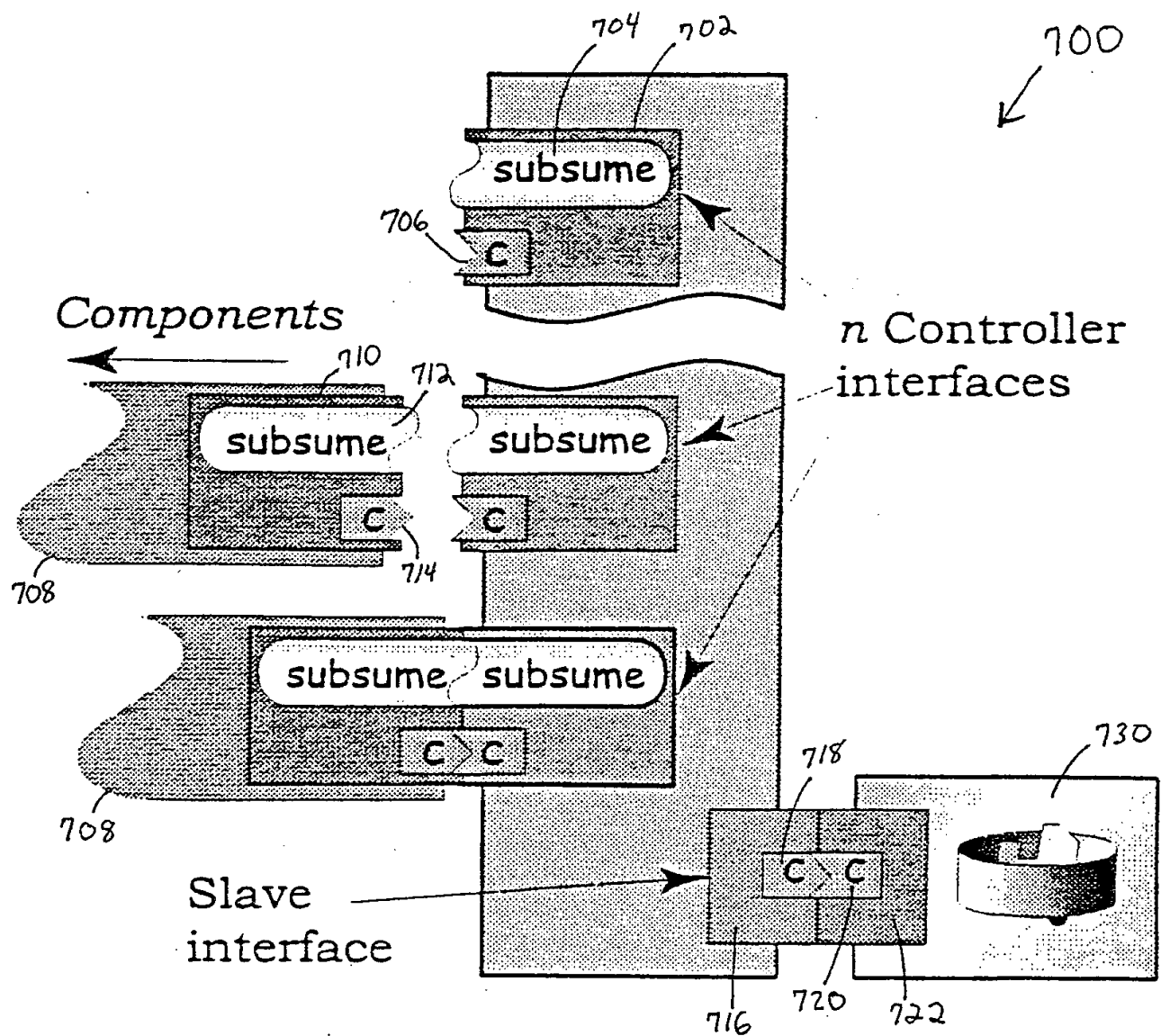


Figure 7

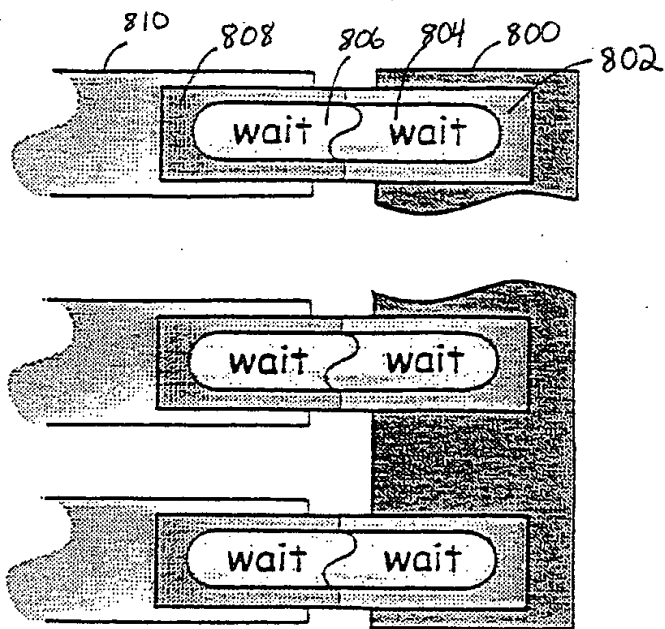


Figure 8

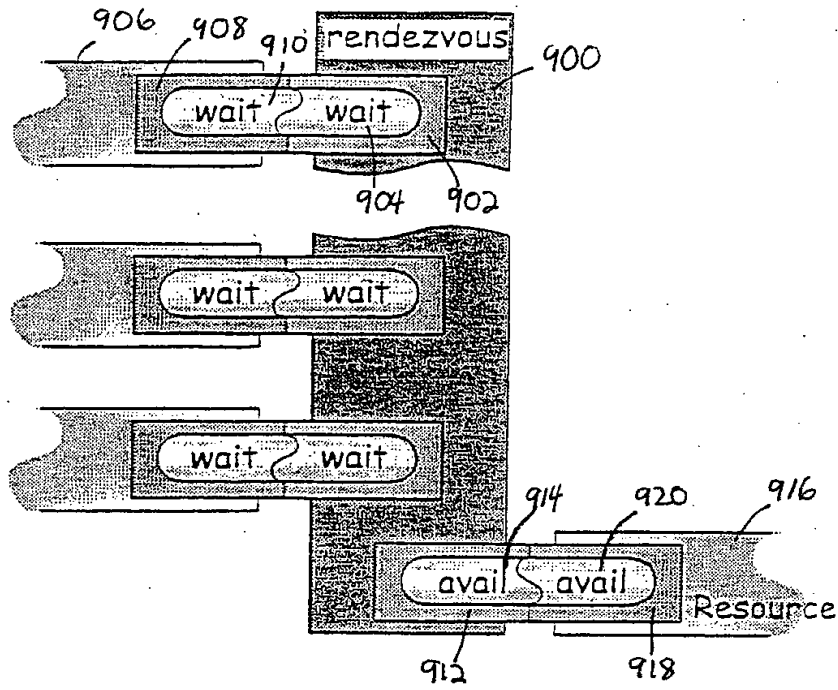


Figure 9

FIG. 10

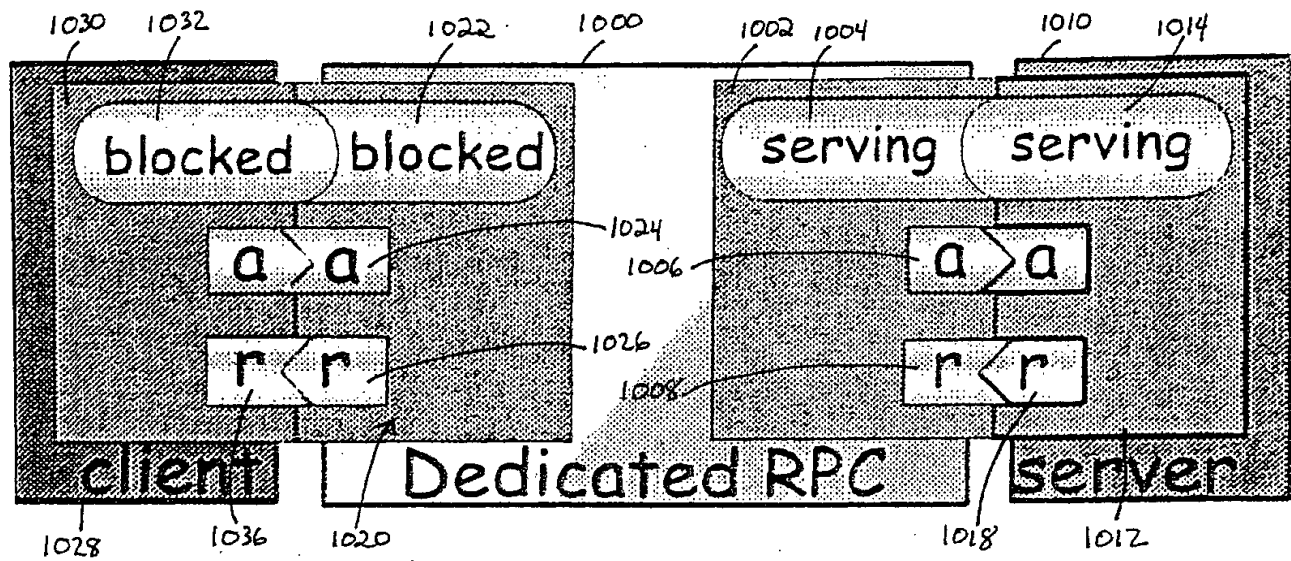


Figure 10

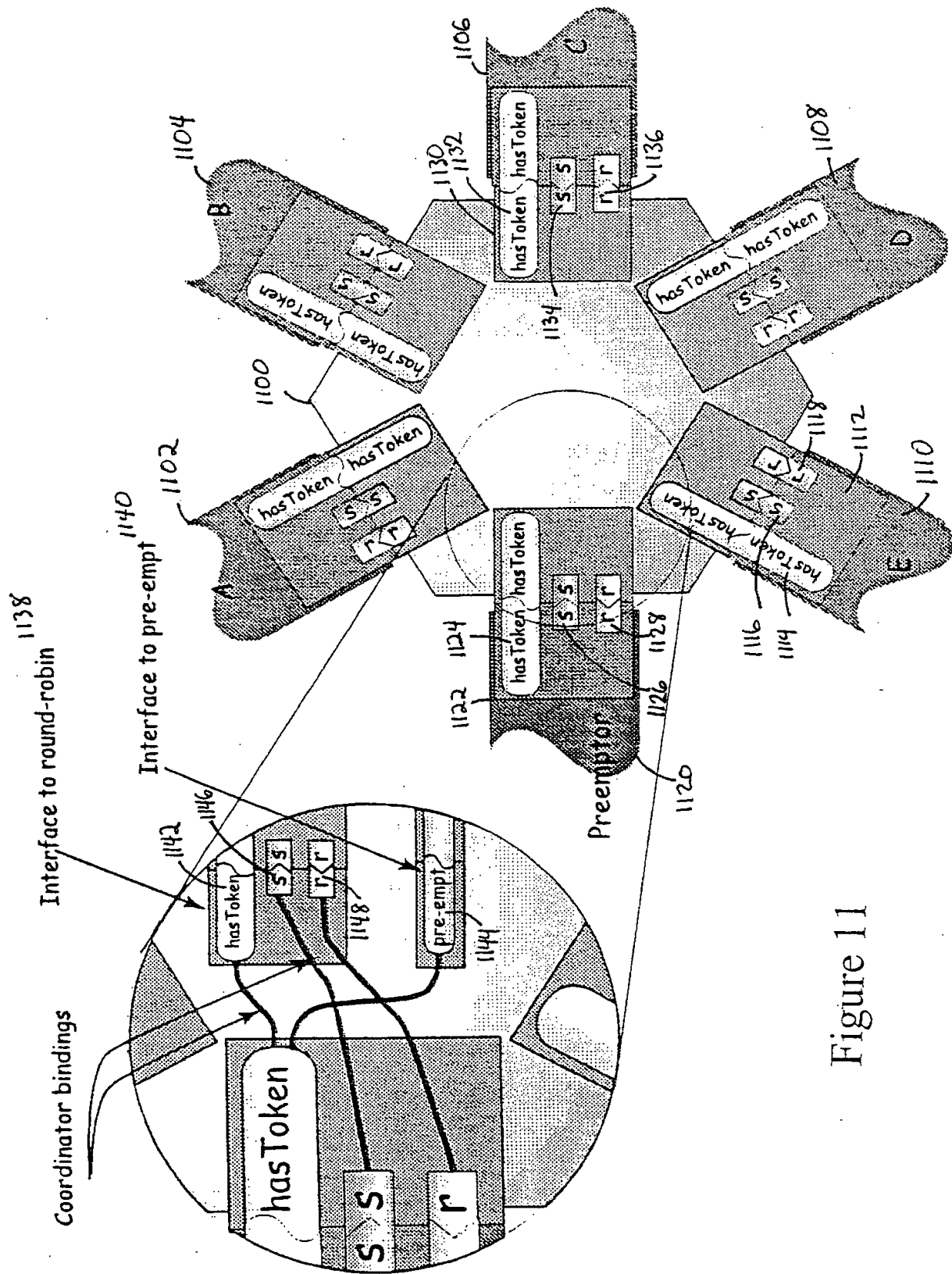


Figure 11

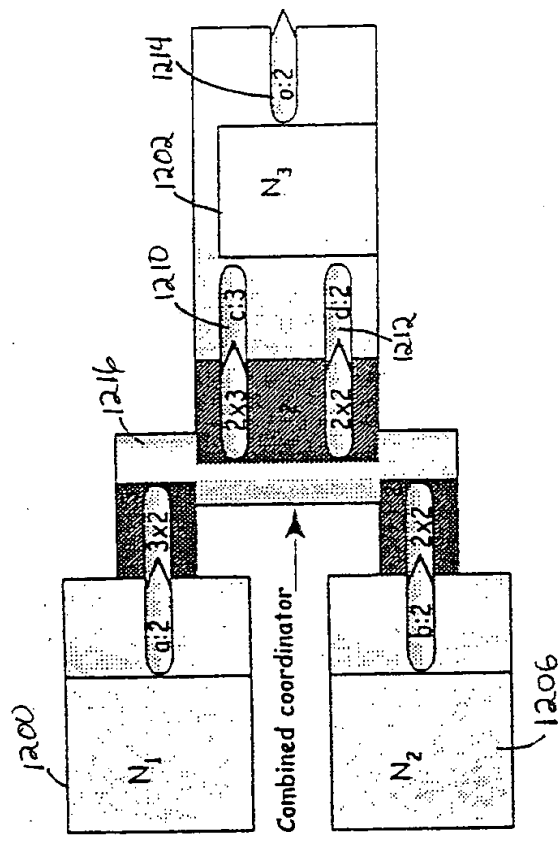


Figure 12A

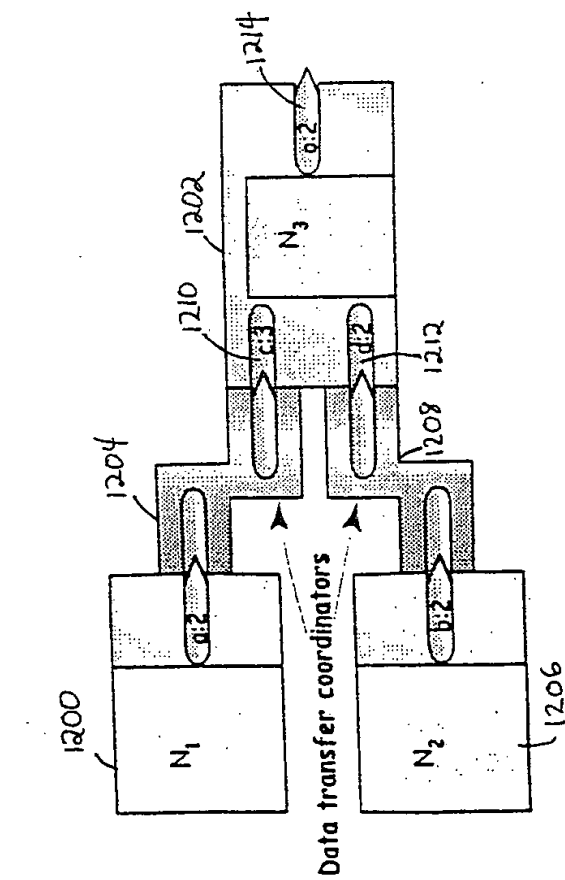


Figure 12B

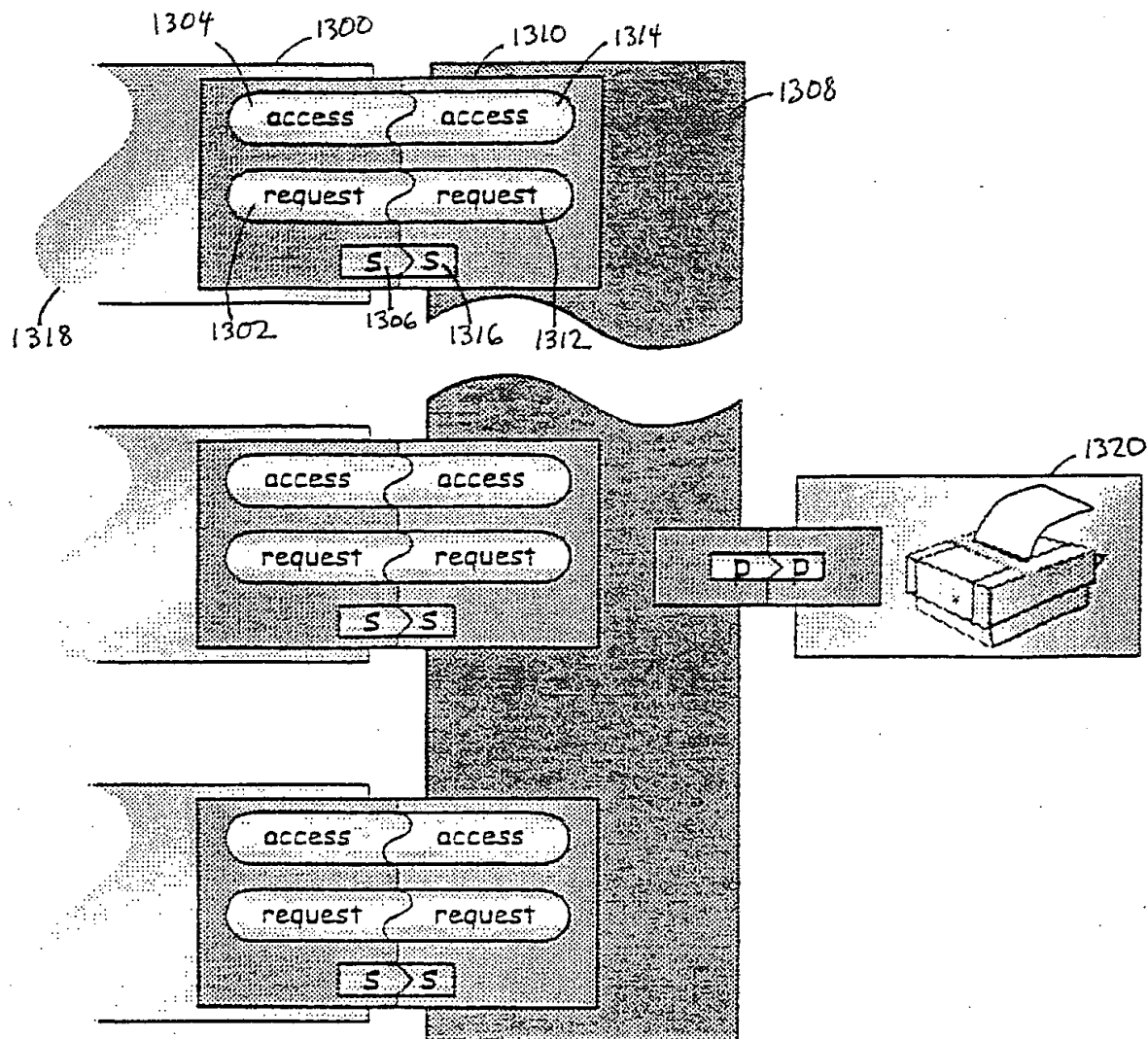


Figure 13

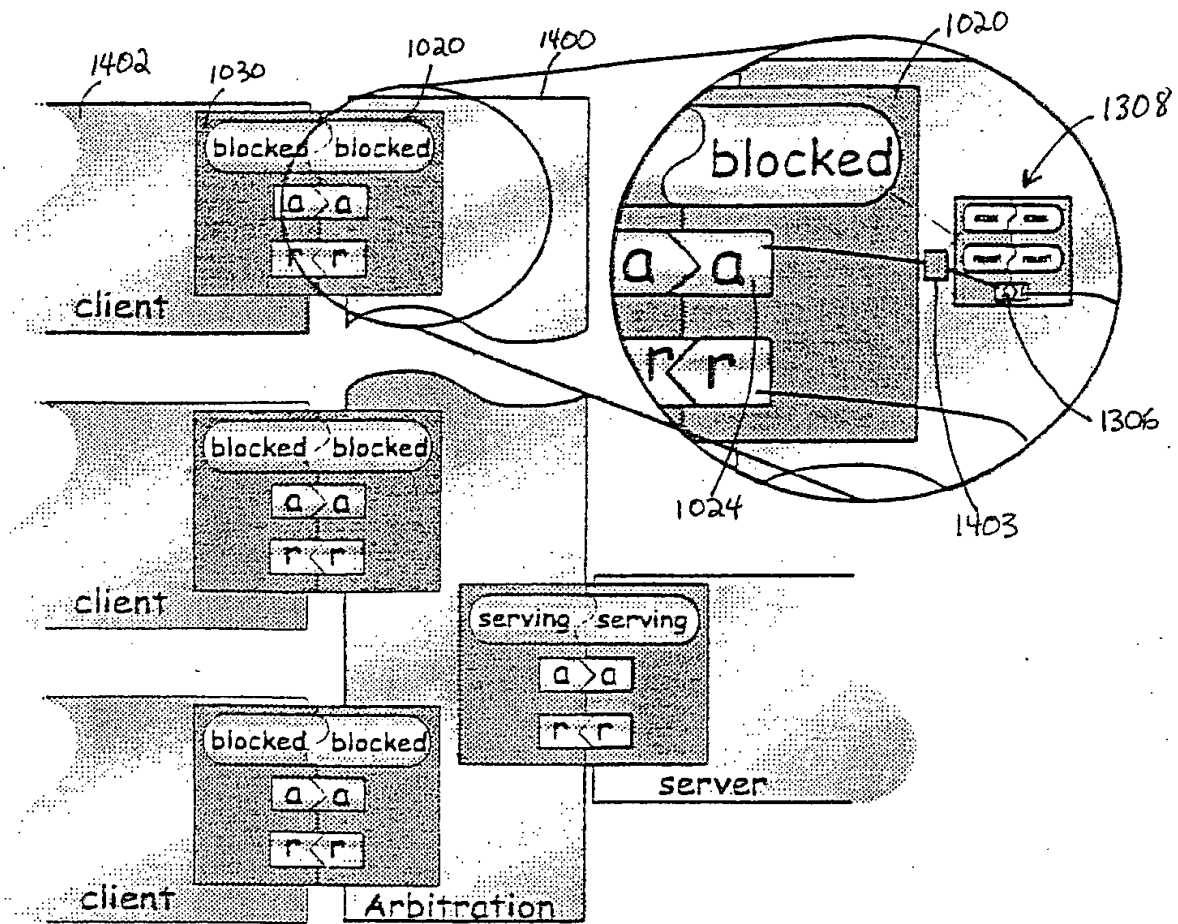


Figure 14

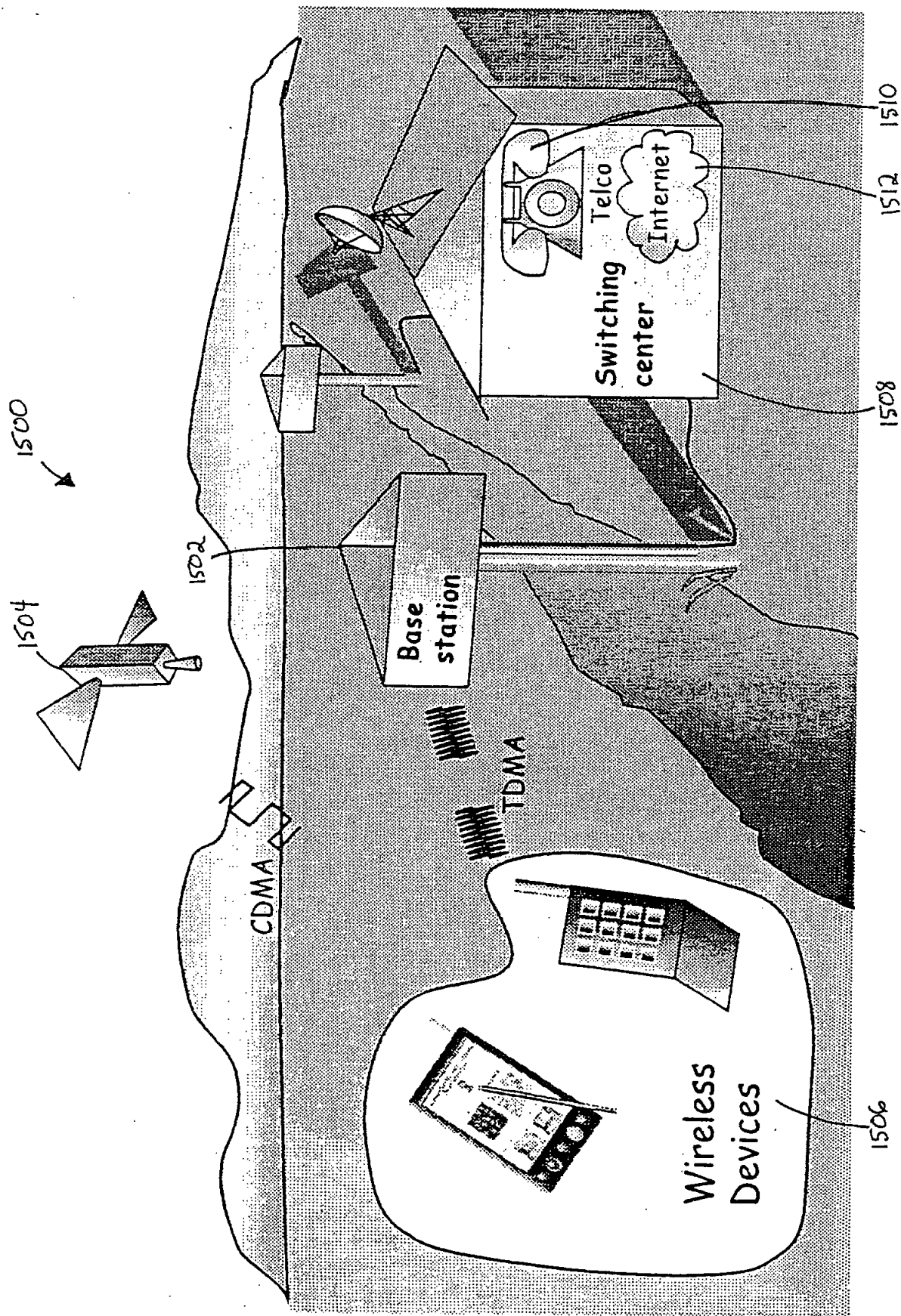


Figure 15

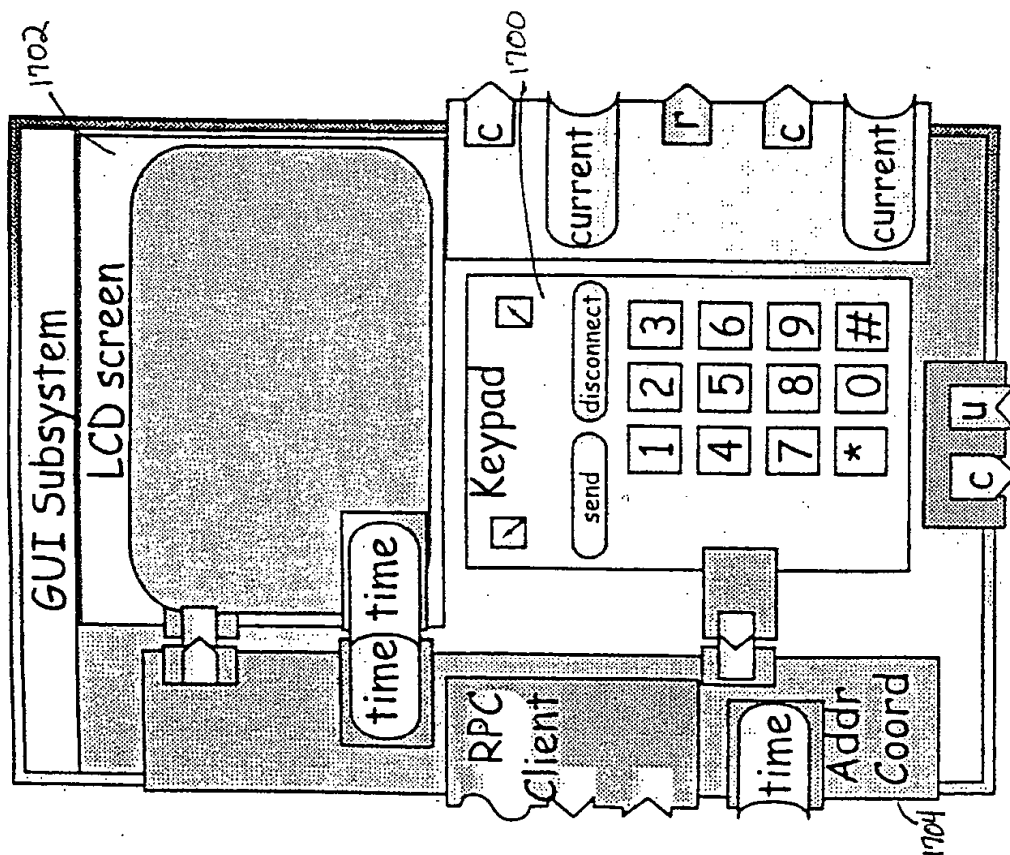


Figure 17A

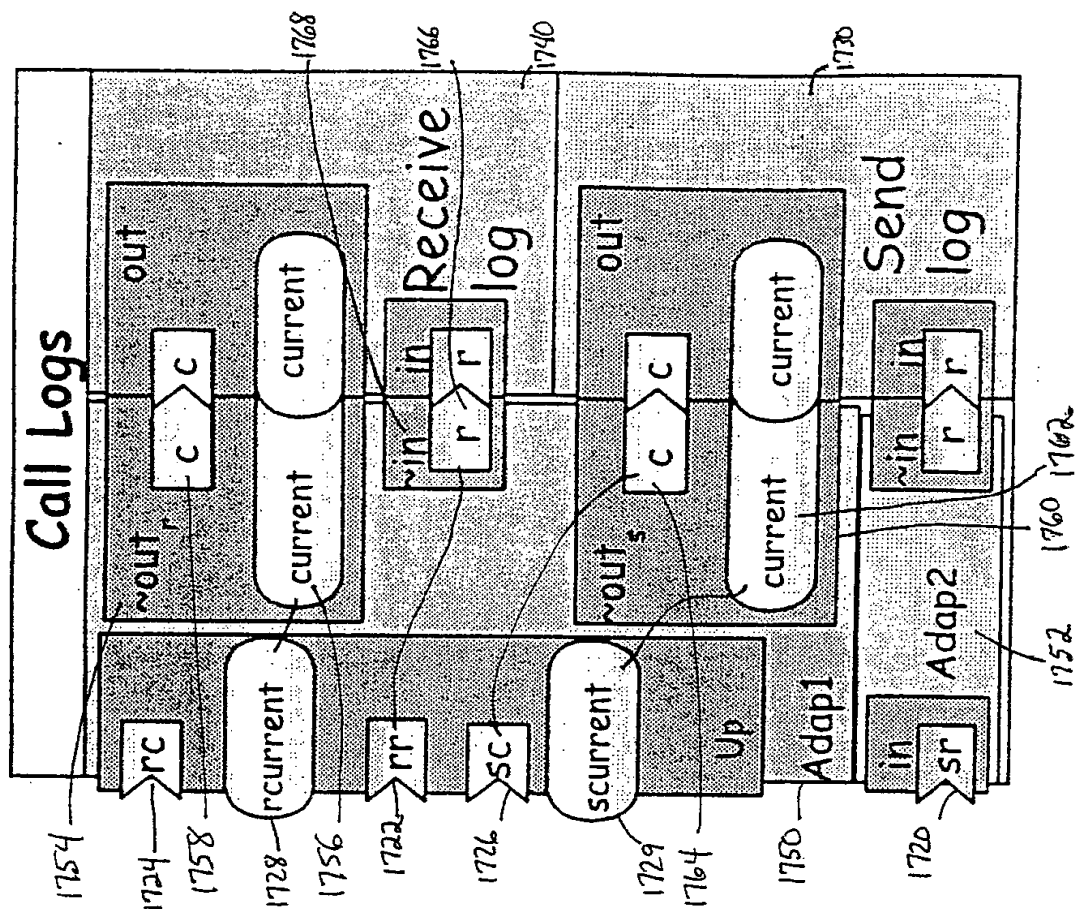


Figure 17B

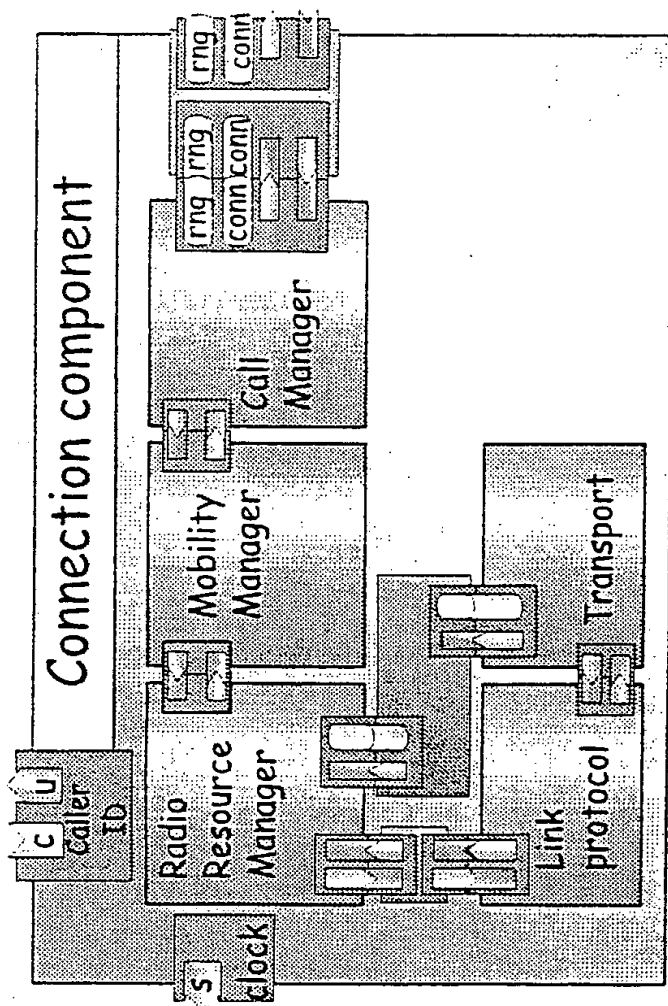


Figure 18B

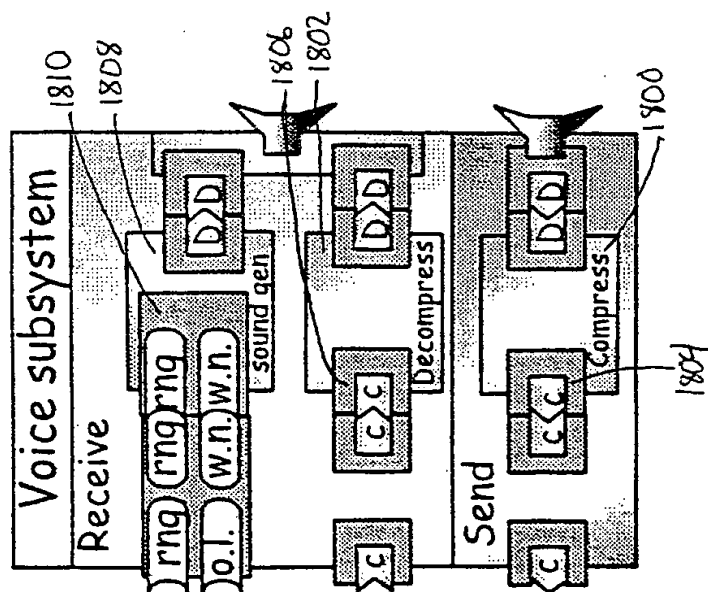


Figure 18A

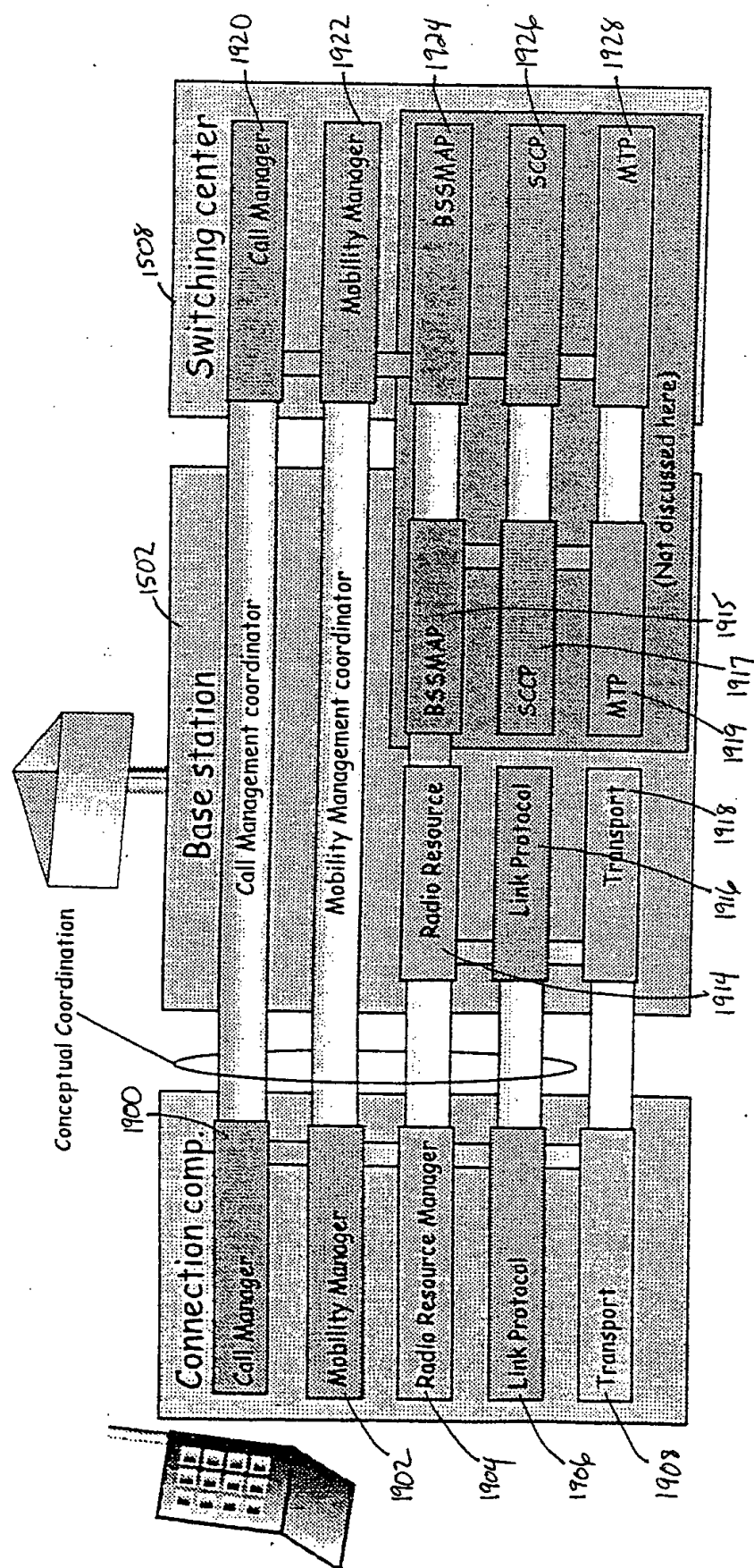


Figure 19

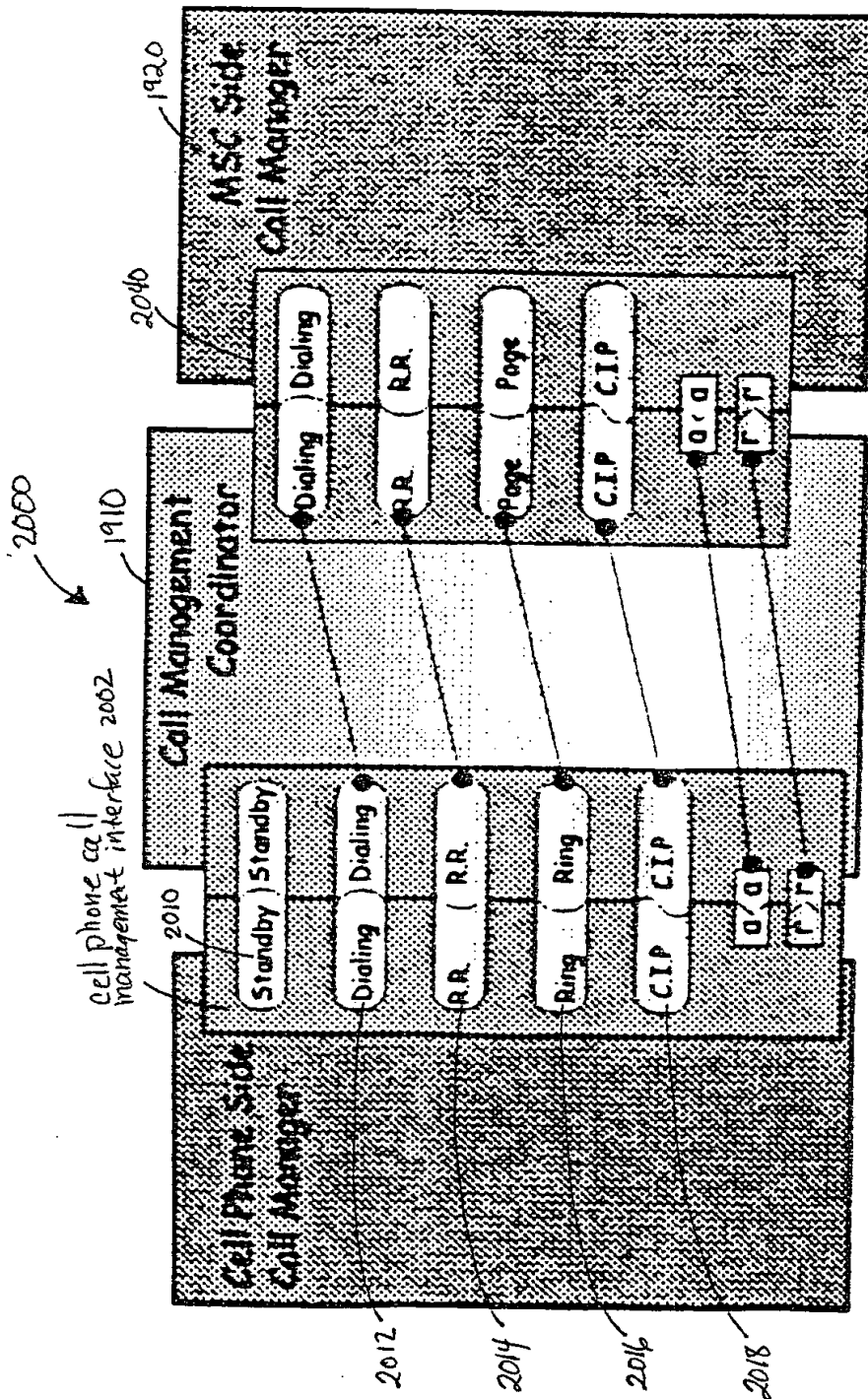


Figure 20

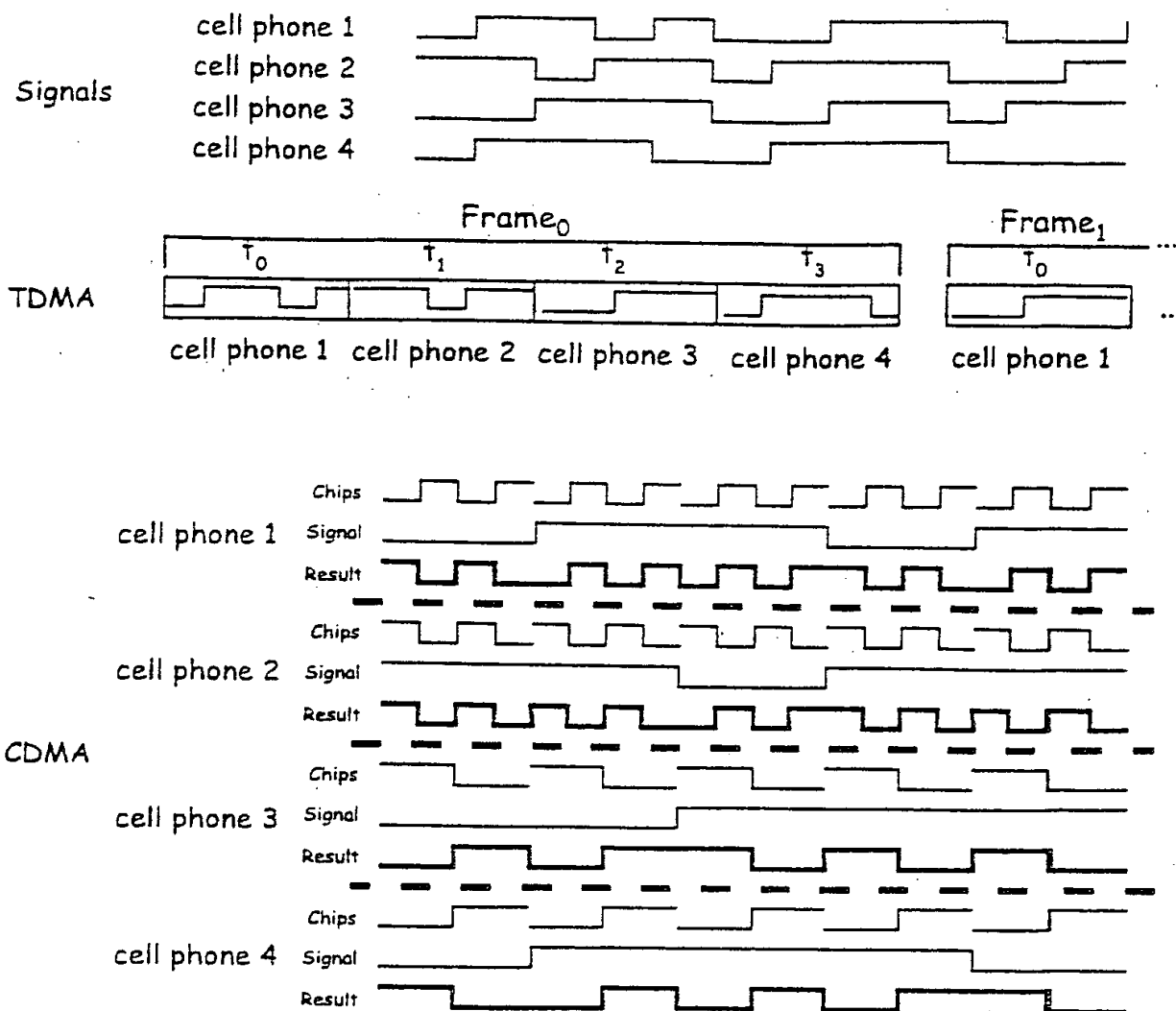


Figure 22

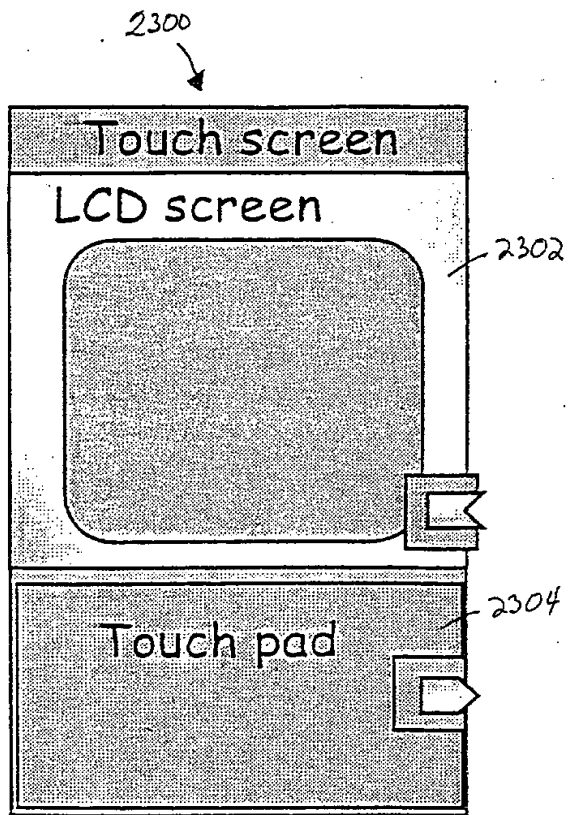


Figure 23A

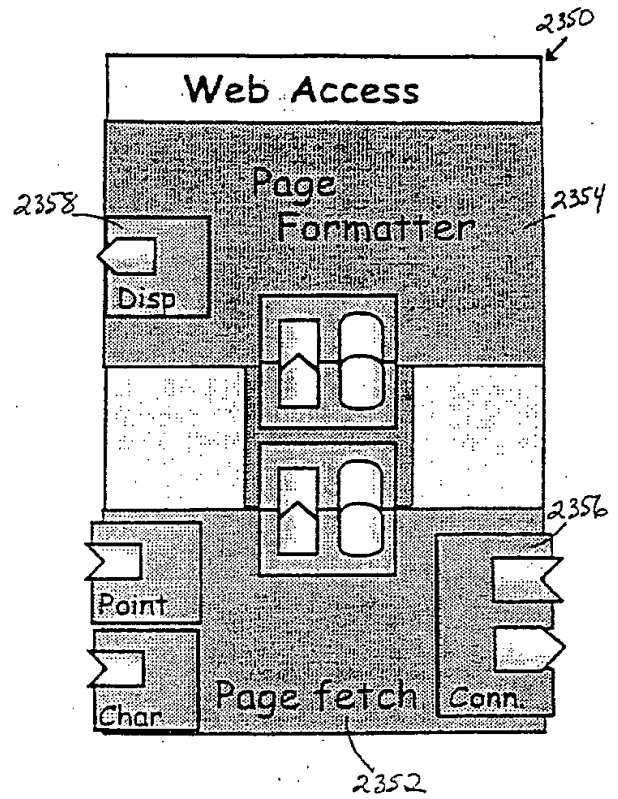


Figure 23B

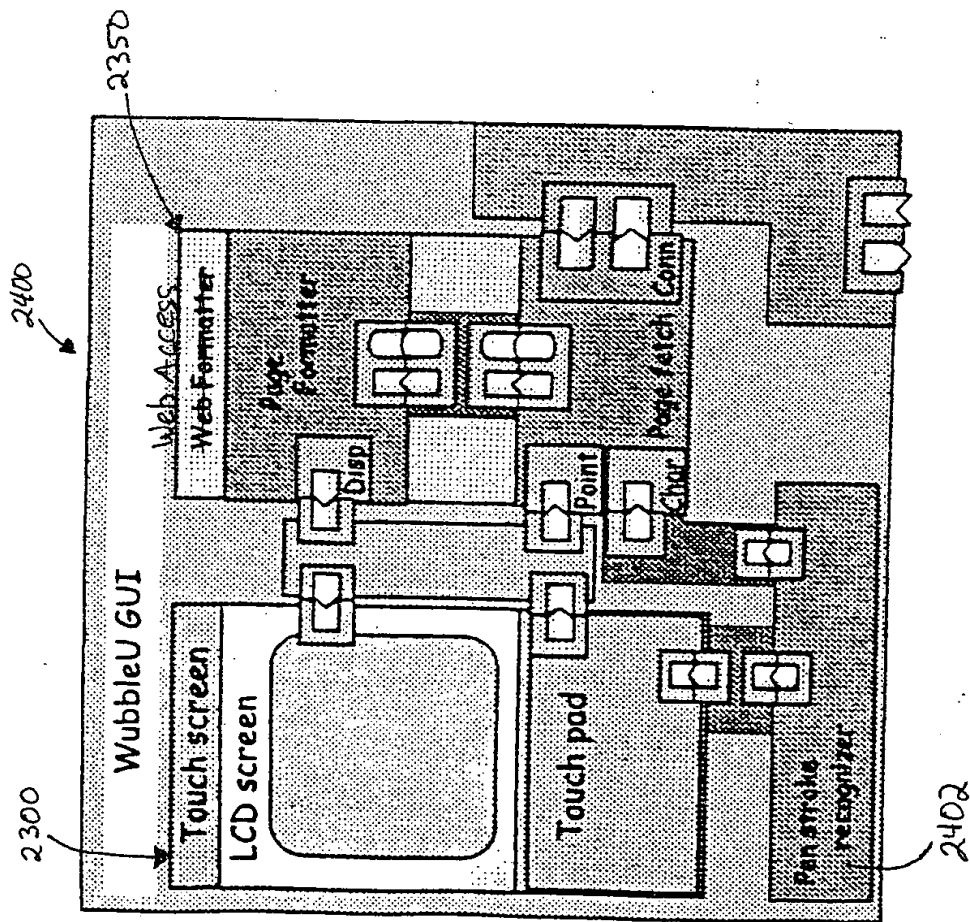


Figure 24A

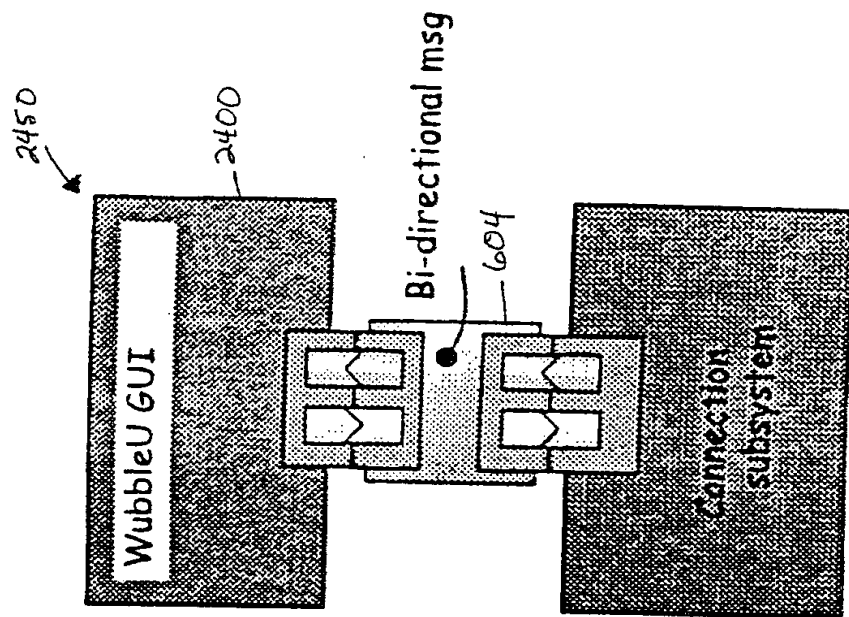


Figure 24B

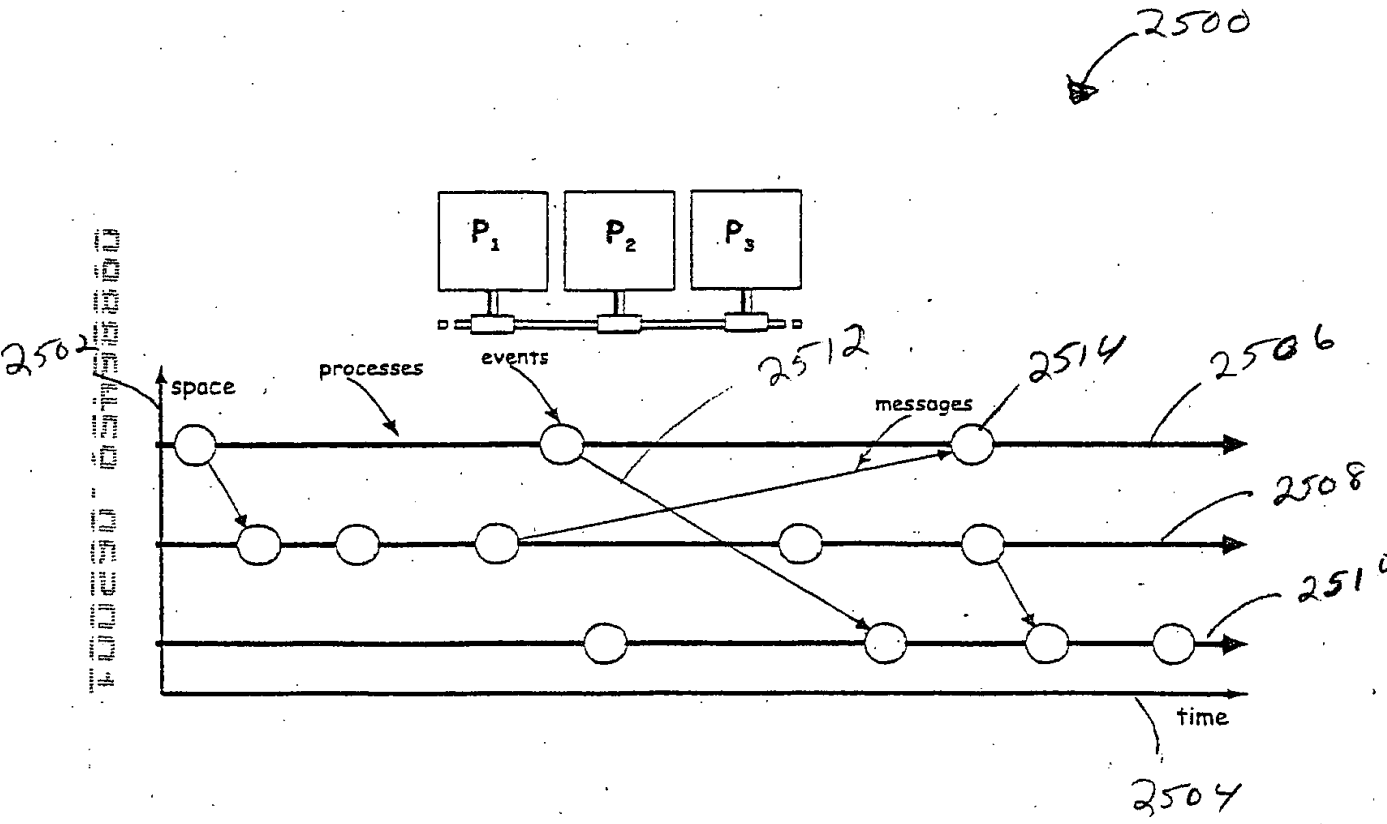


Figure 25

(prior art)

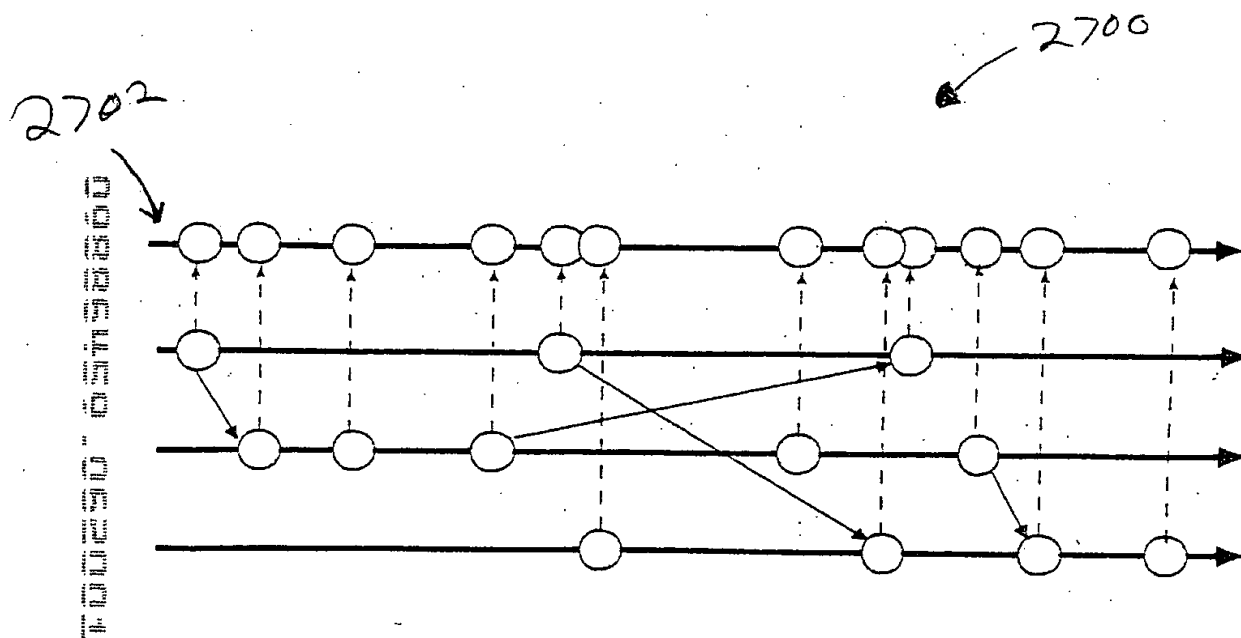


Figure 27

(prior art)

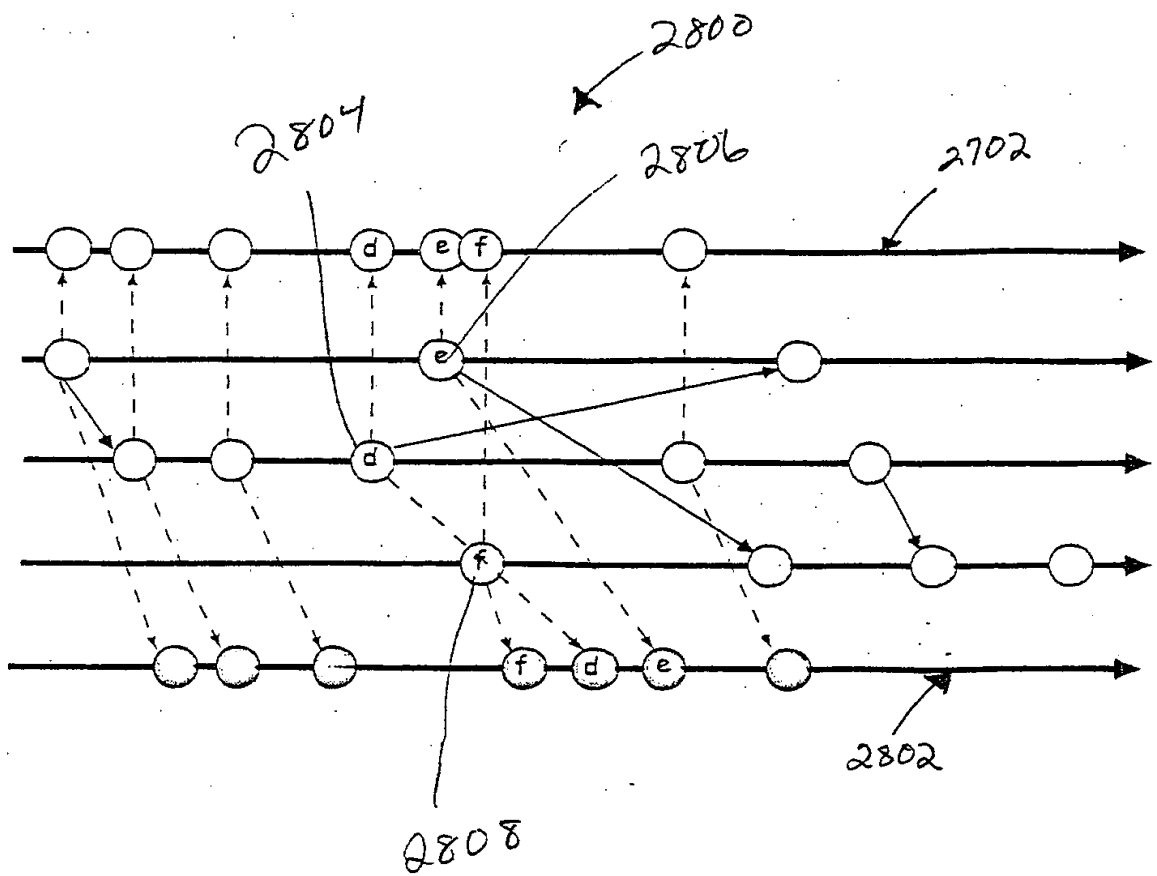


Figure 28

(prior art)

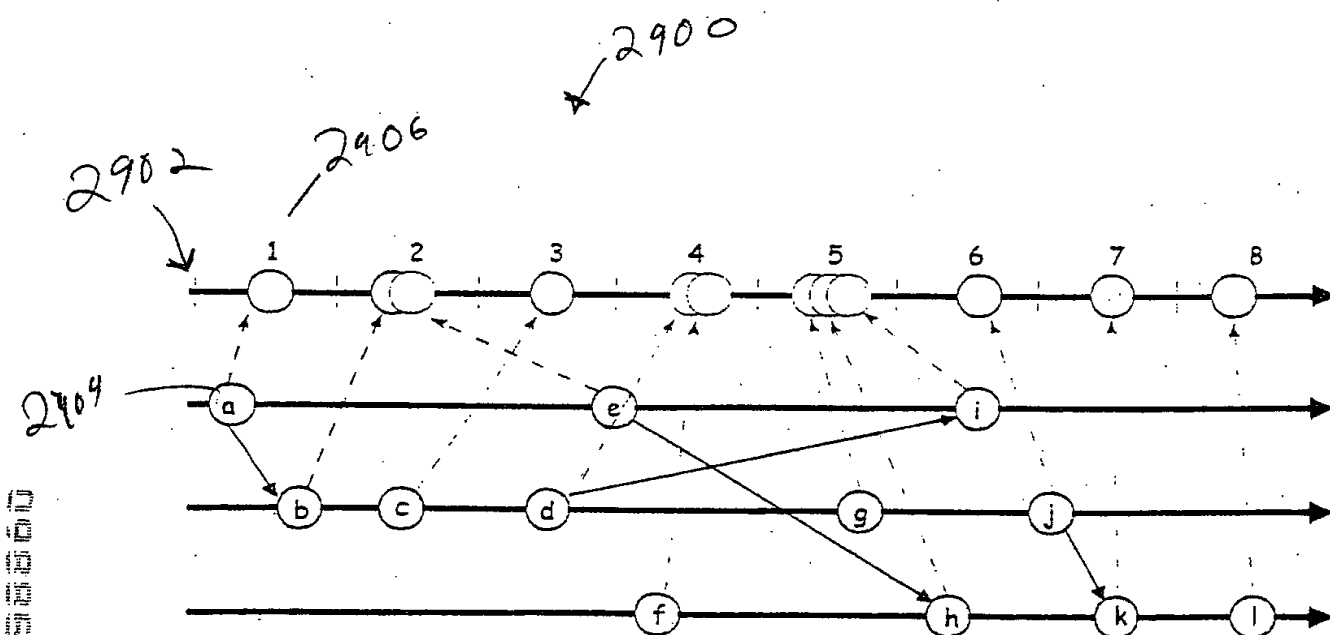


Figure 29

(prior art)

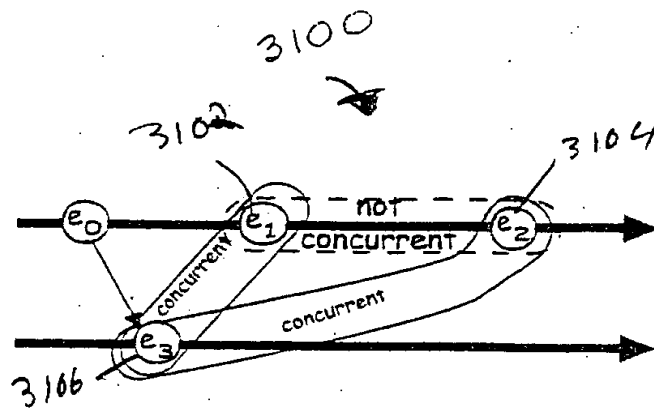


Figure 31

(prior art)

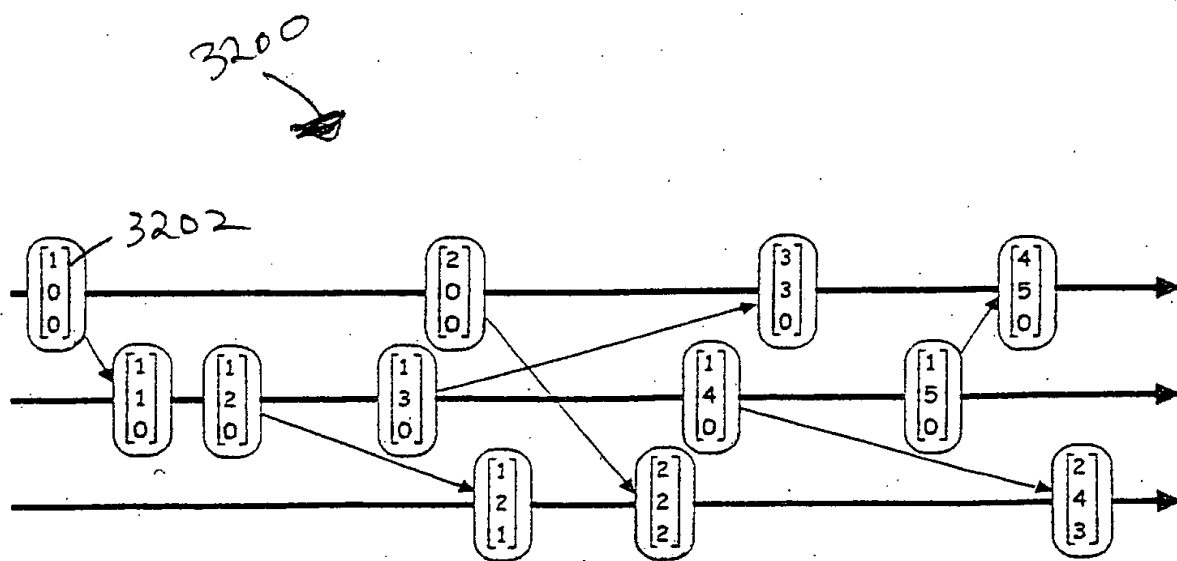


Figure 32

(prior art)

FIG. 32

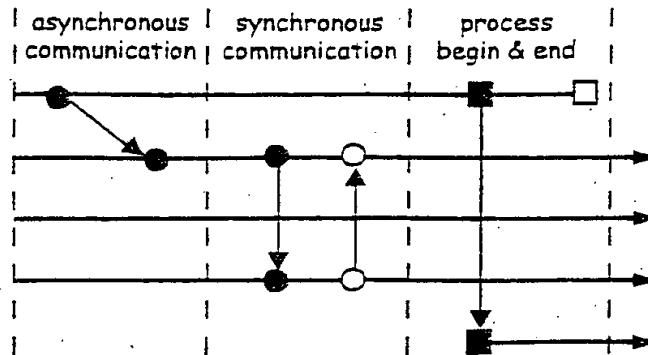


Figure 33

(prior art)

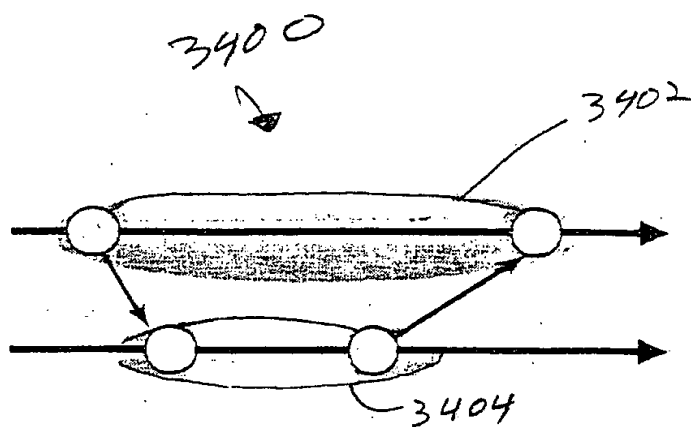


Figure 34

(prior art)

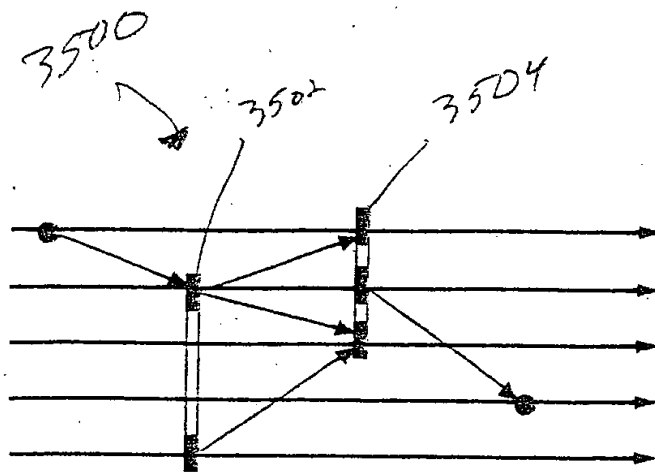


Figure 35

(prior art)

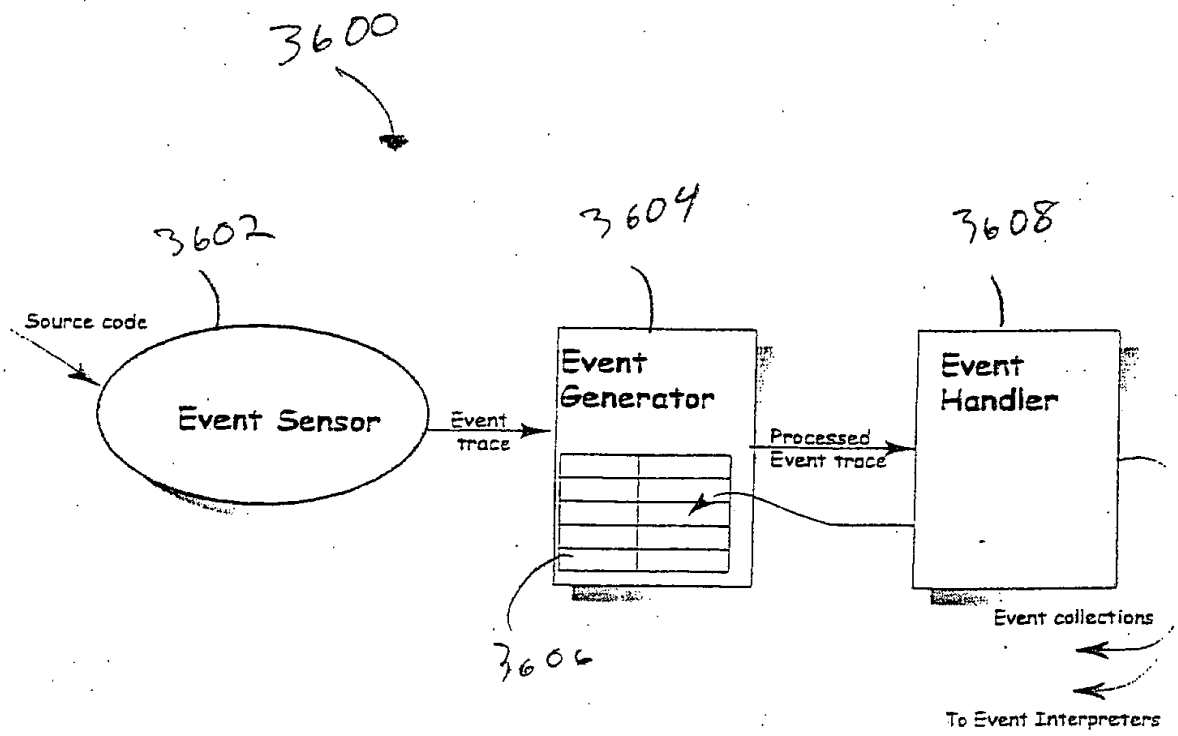


Figure 36

(prior art)

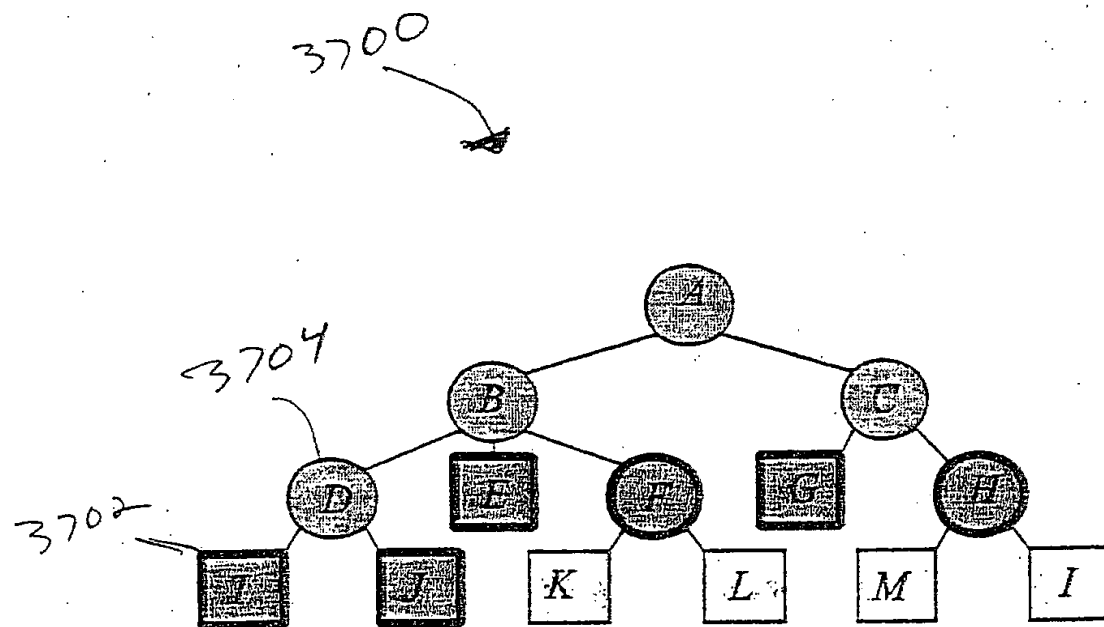
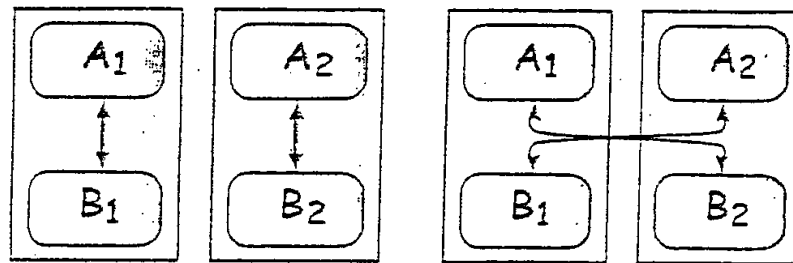


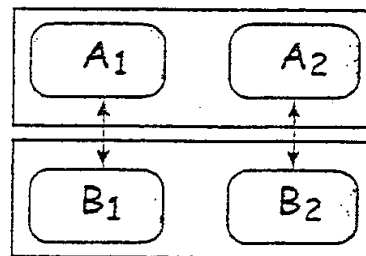
Figure 37

(prior art)



(a) Cohesion(P) = 1.0
Coupling(P) = 0.5

(b) Cohesion(P) = 0.0
Coupling(P) = 1.0



(c) Cohesion(P) = 1.0
Coupling(P) = 0.5

Figure 38

(prior art)

3900

first cut 3902

second cut 3904

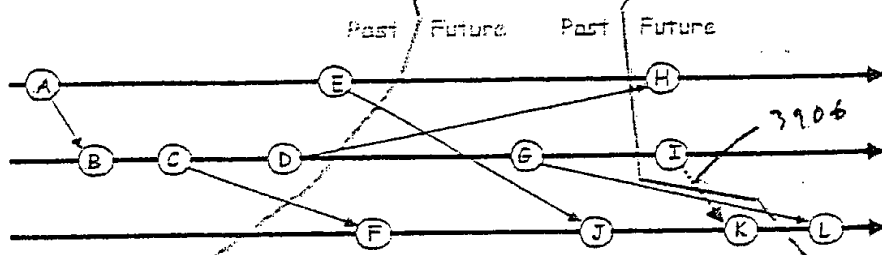


Figure 39

(prior art)

FIG. 39 - 6545550

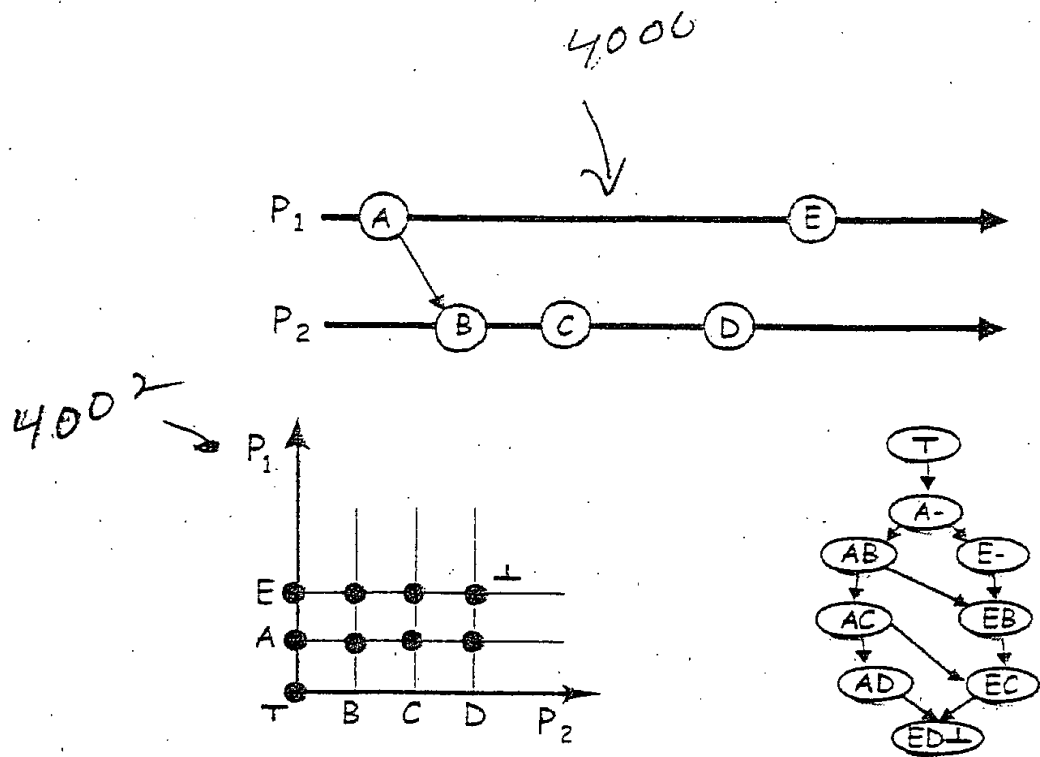


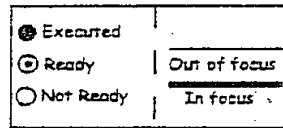
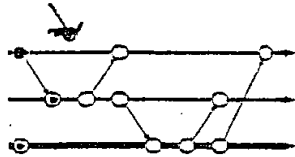
Figure 40

(prior art)

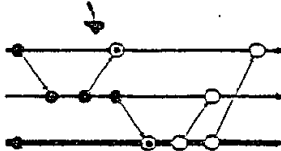
FIG. 41

4102

4100



4104



4106

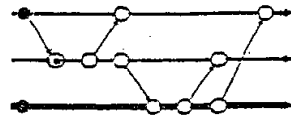


Figure 41

(prior art)

FIG. 42

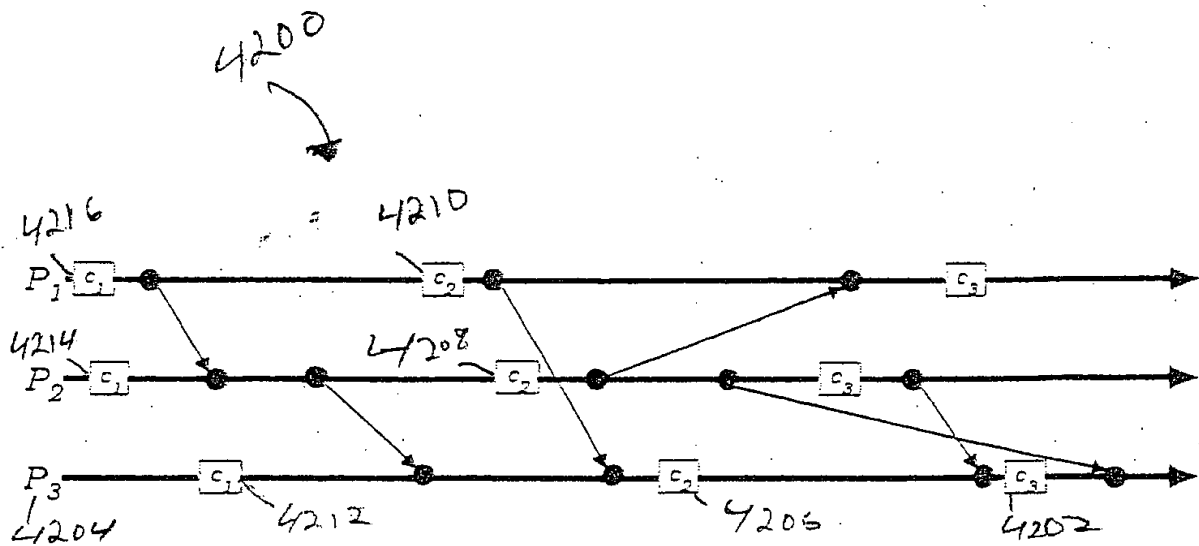


Figure 42

(prior art)

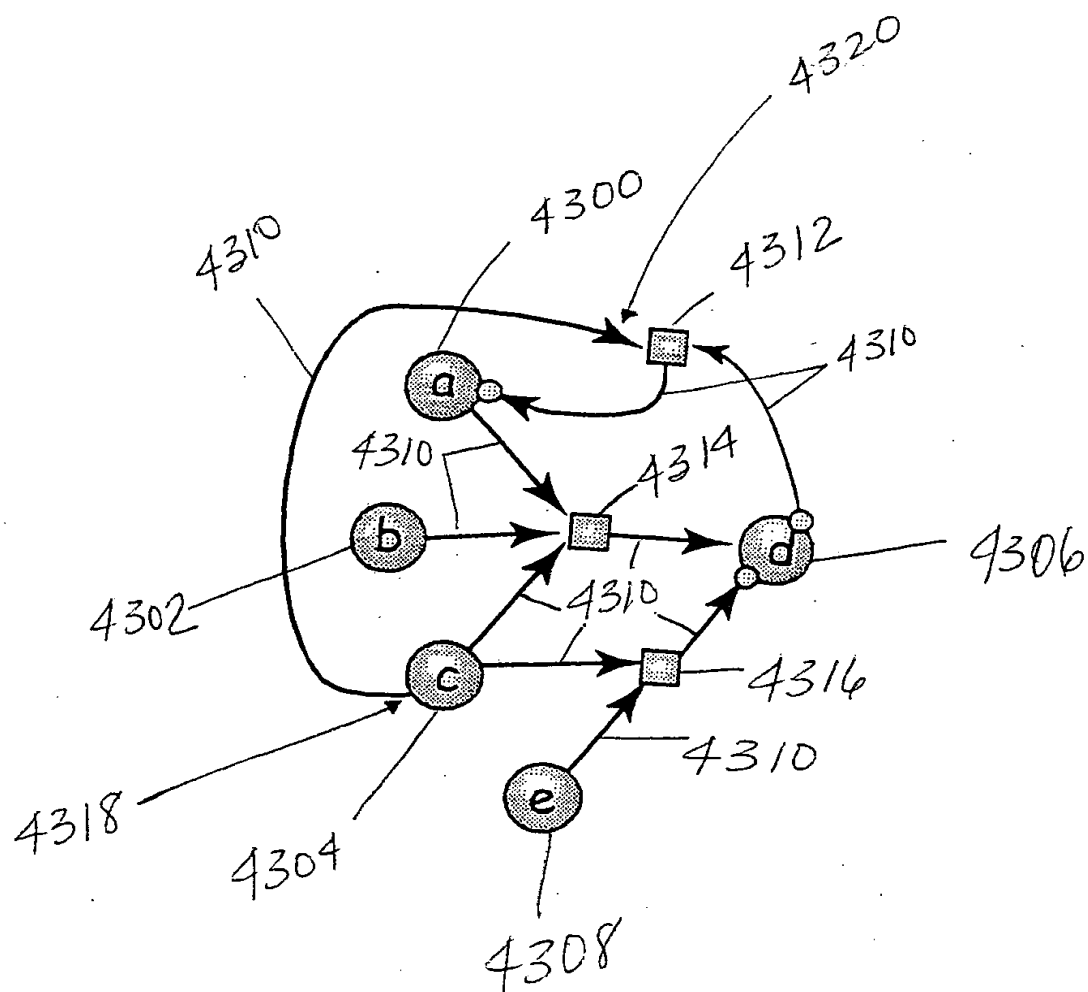
[illegible]

FIG. 43

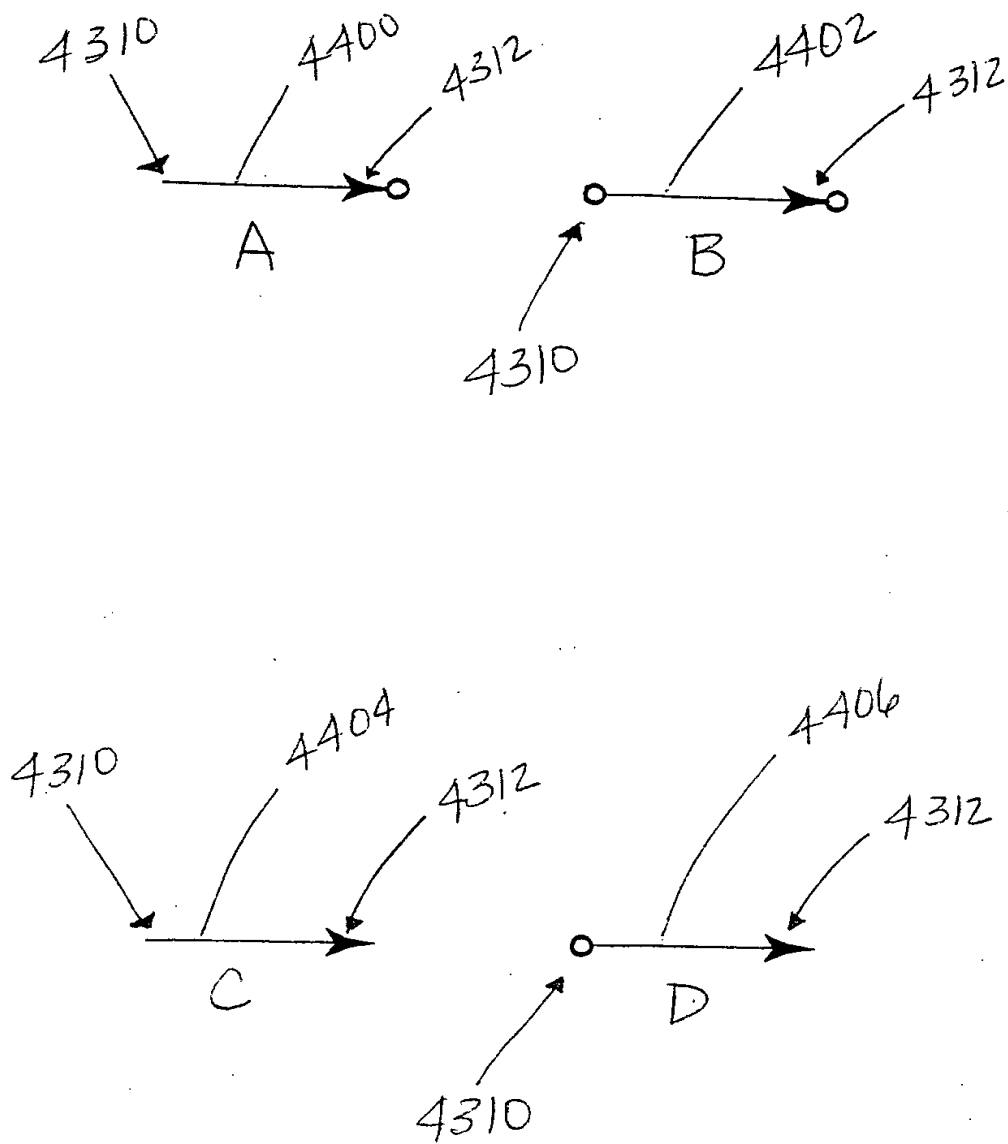


FIG. 44

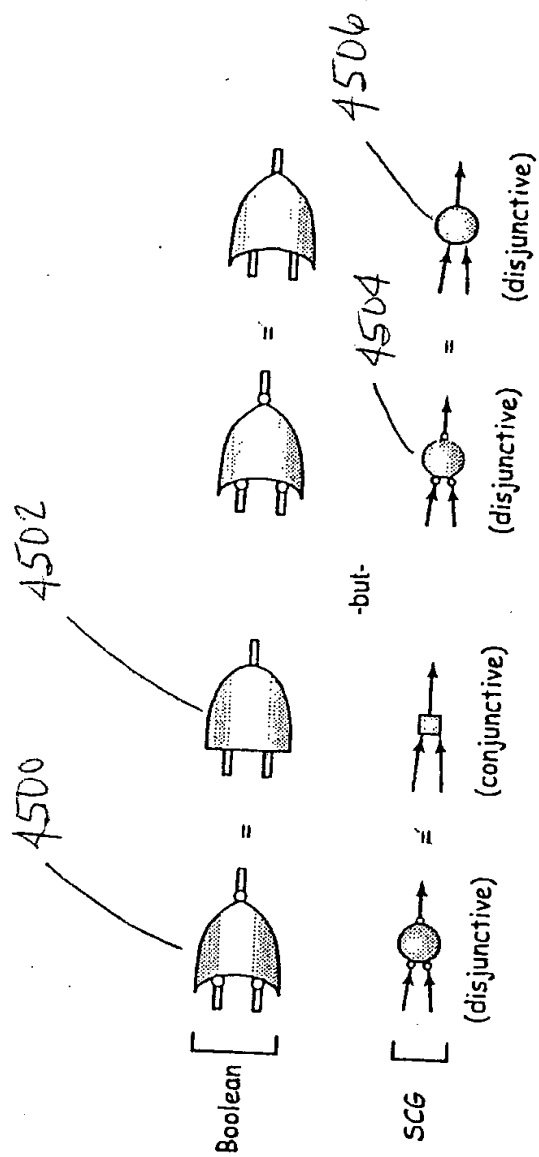
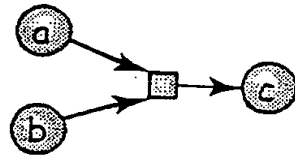
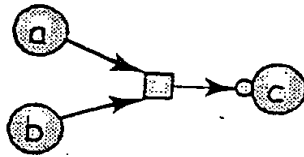


FIG. 45



$$a \wedge b \Rightarrow c = \neg(a \wedge b \wedge \neg c)$$

A



$$a \wedge b \Rightarrow \neg c = \neg(a \wedge b \wedge c)$$

B

FIG. 46

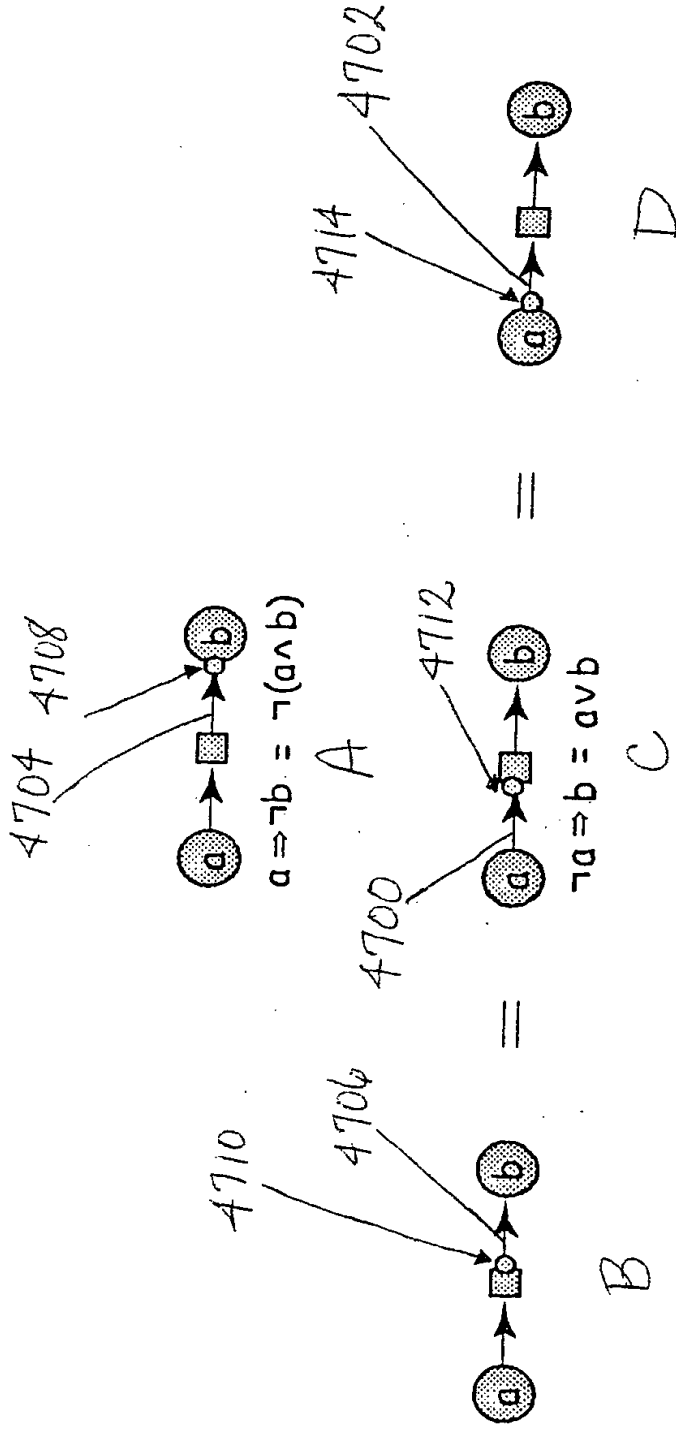


FIG. 47

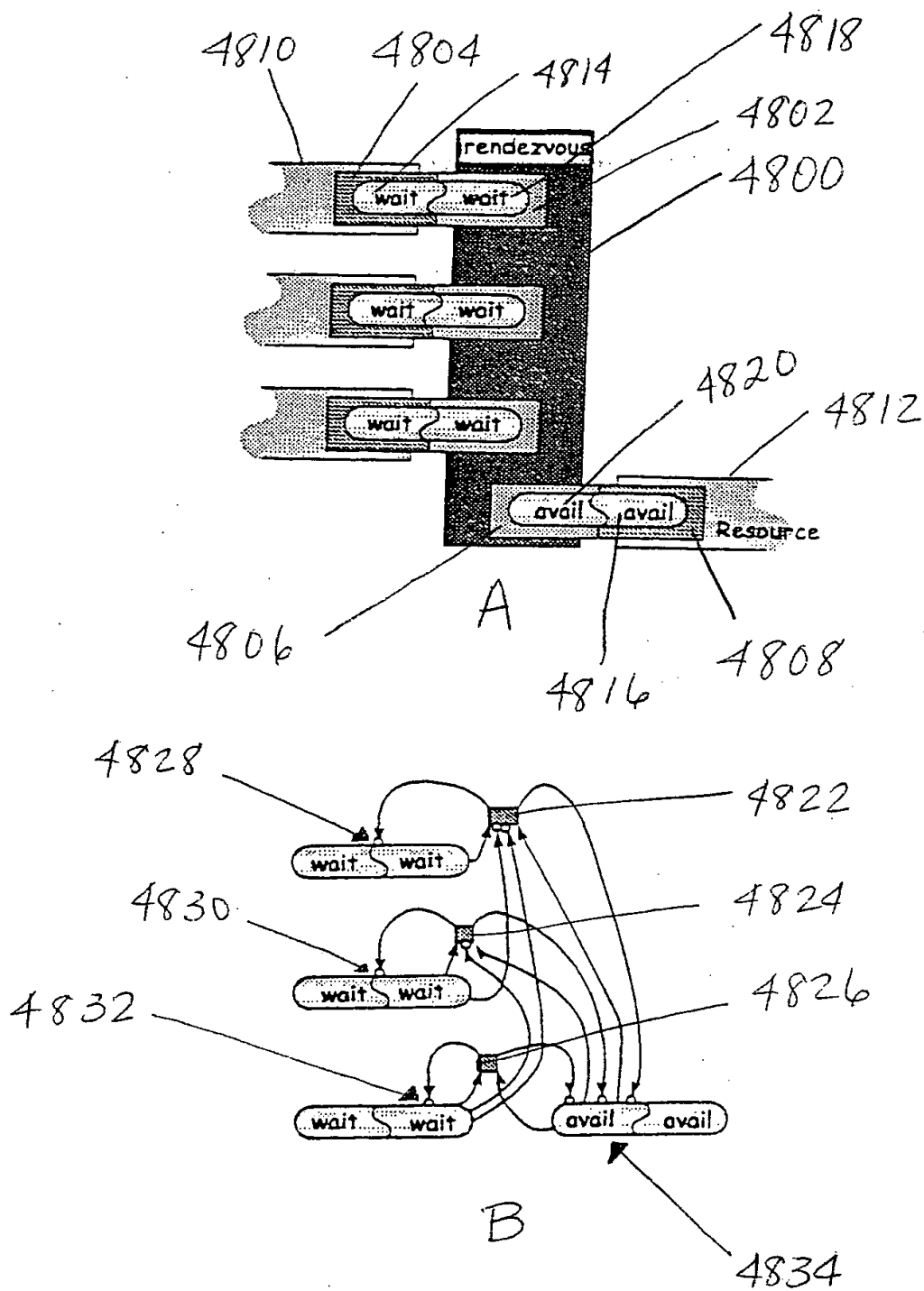


FIG. 48

FIG. 49

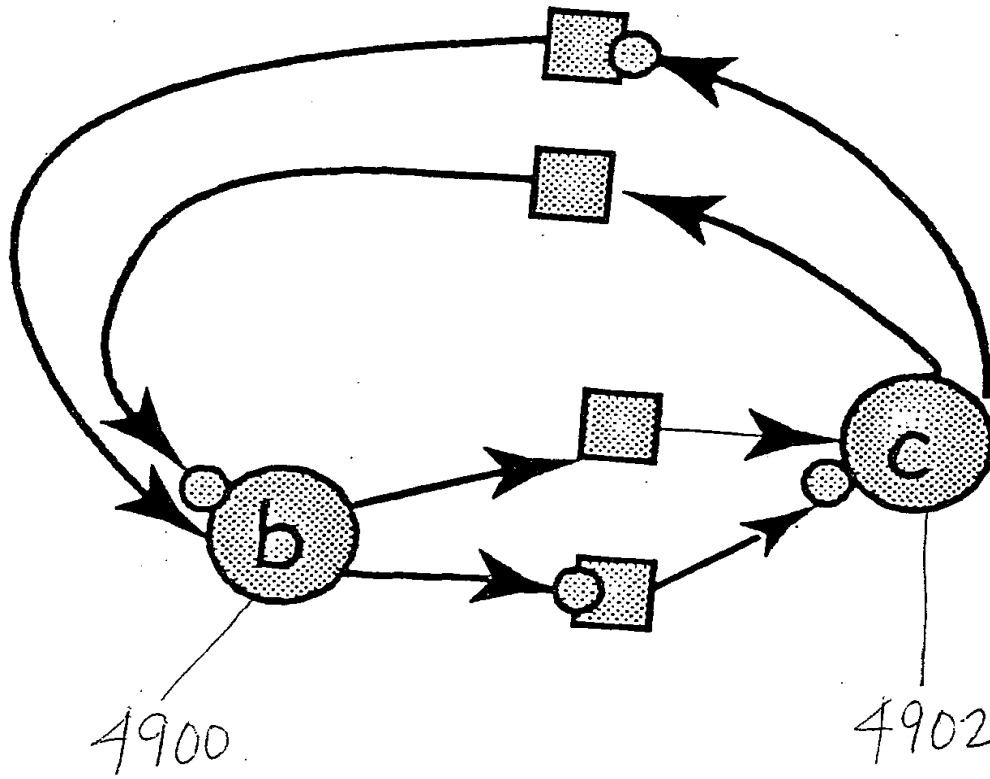
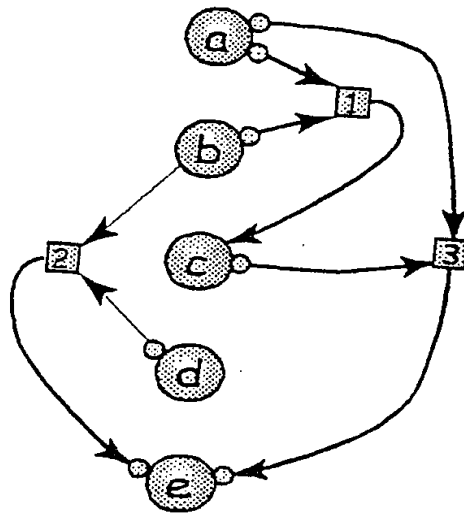


FIG. 49



A

$$\underbrace{(a \vee b \vee c)}_1 \wedge \underbrace{(\neg b \vee d \vee \neg e)}_2 \wedge \underbrace{(a \vee c \vee \neg e)}_3$$

B

$$\underbrace{(\neg a \wedge \neg b \Rightarrow c)}_1 \wedge \underbrace{(b \wedge \neg d \Rightarrow \neg e)}_2 \wedge \underbrace{(\neg a \wedge \neg c \Rightarrow \neg e)}_3$$

C

FIG. 50

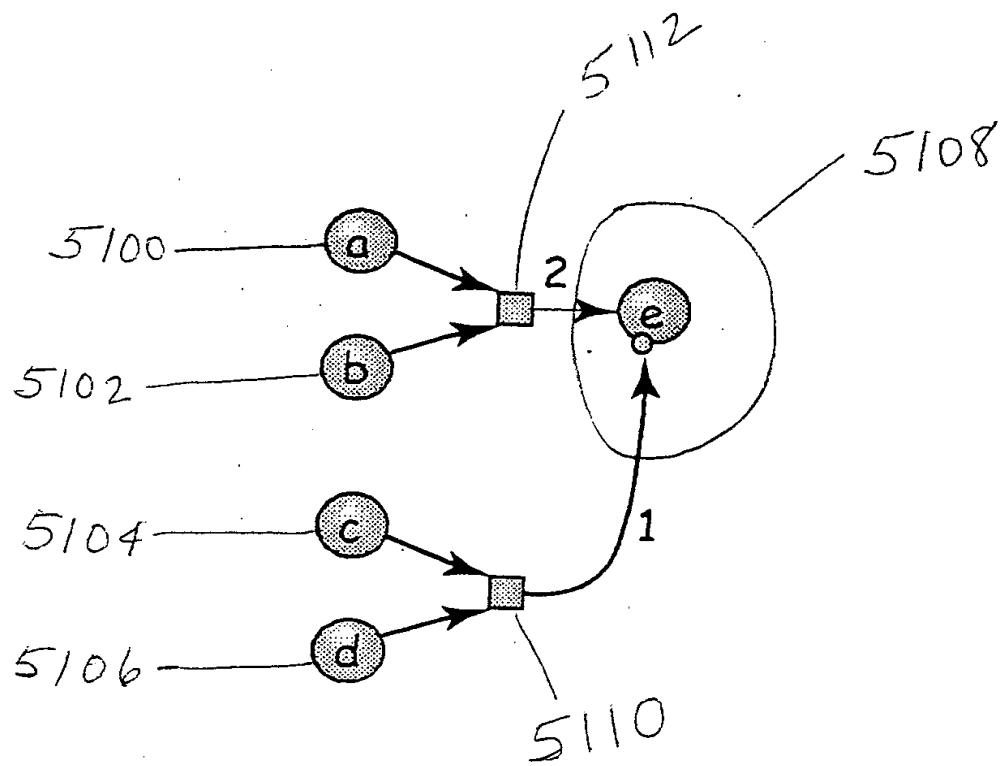


FIG. 51

FIG. 52

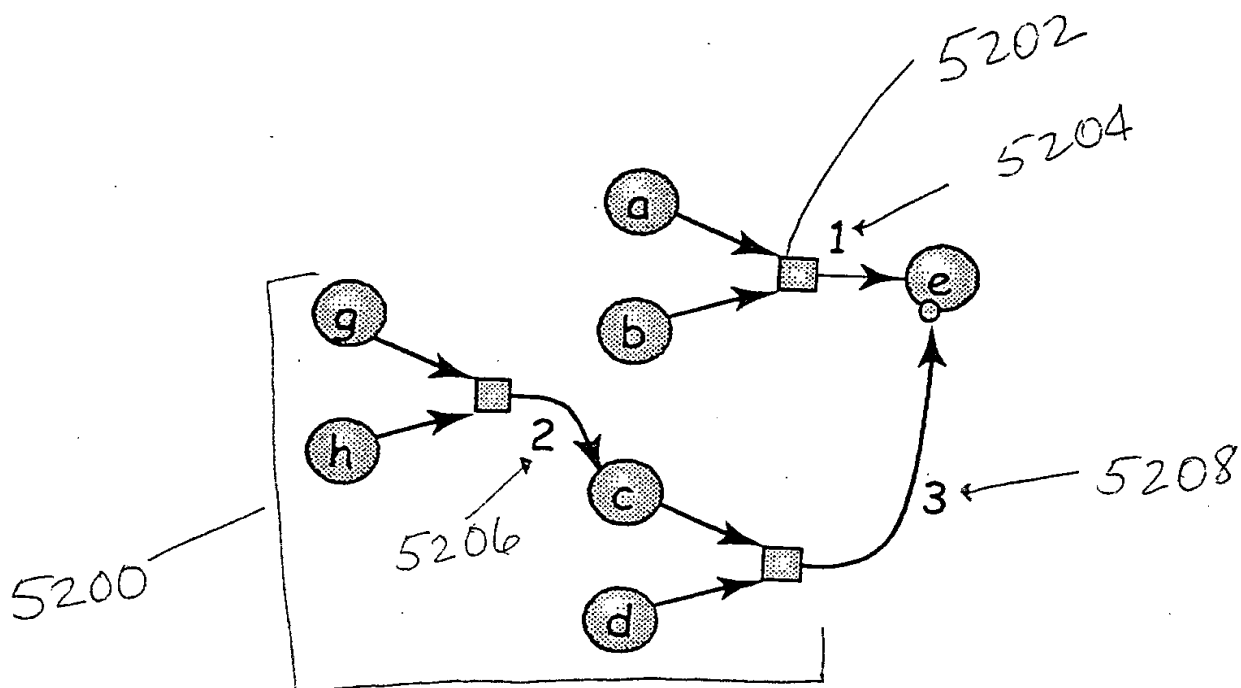


FIG. 52

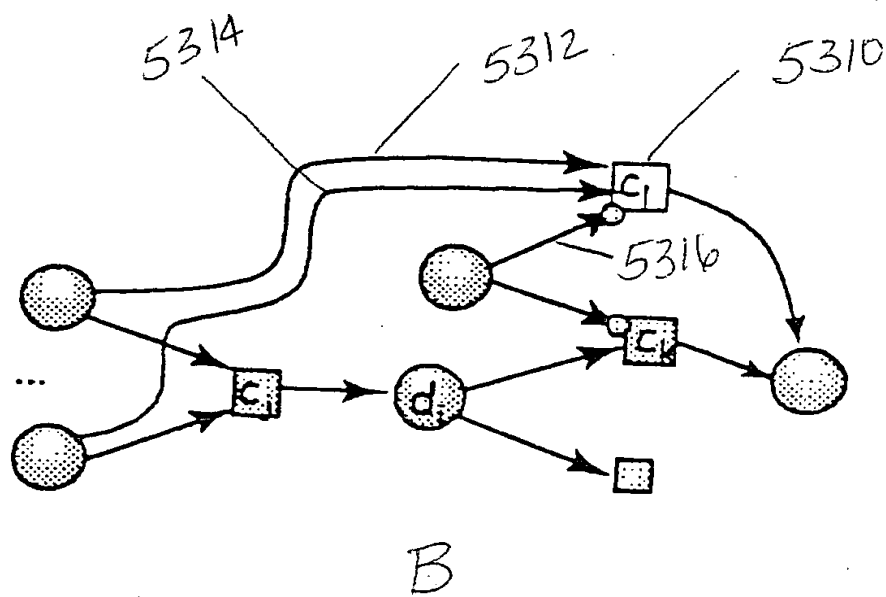
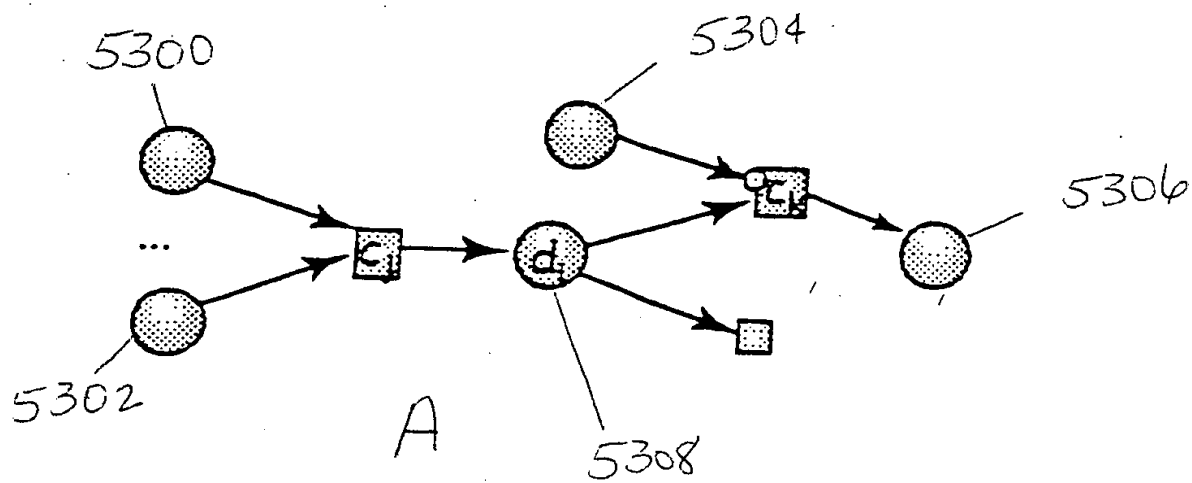


FIG. 53

FIG. 54

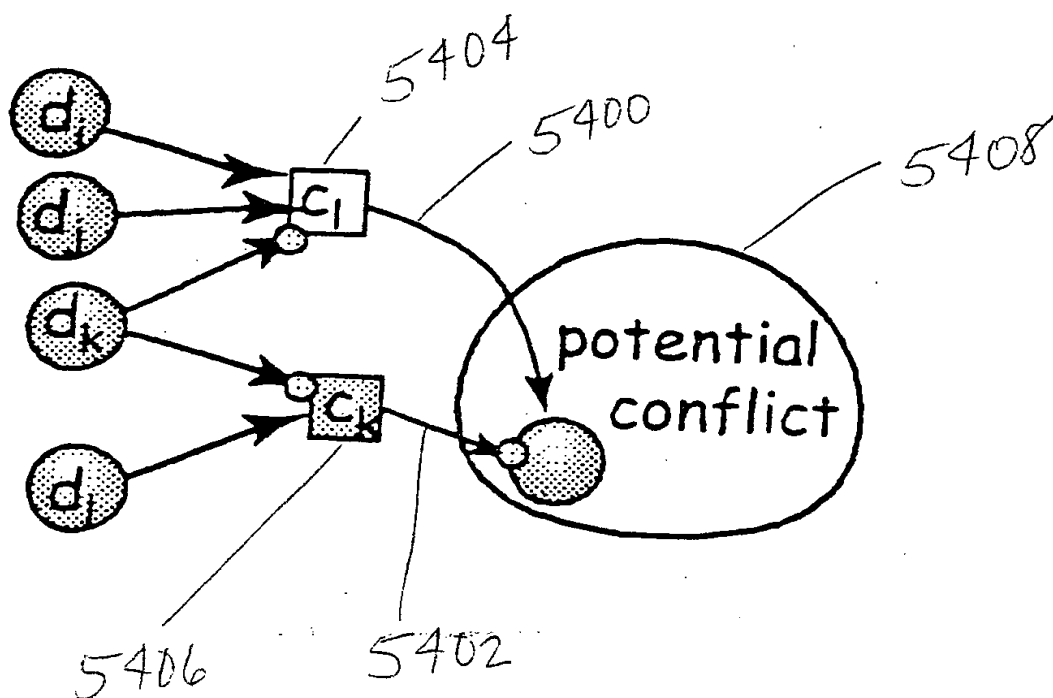


FIG. 54

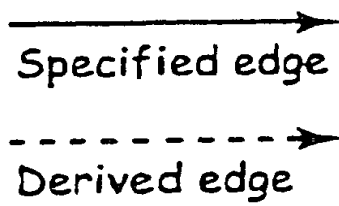
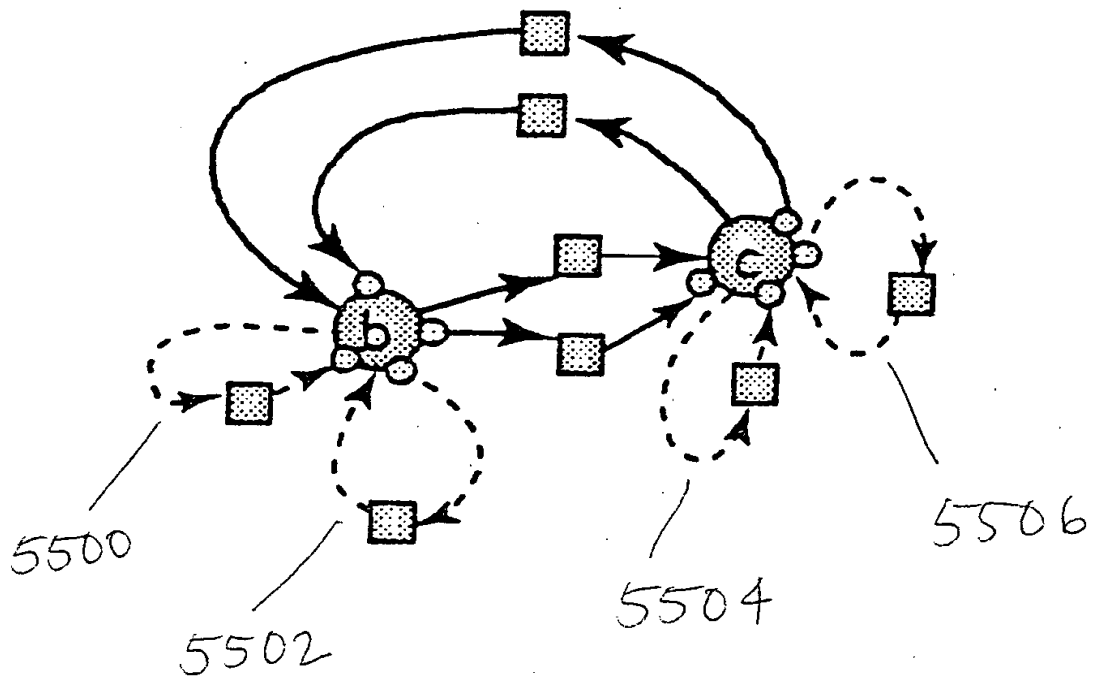


FIG. 55

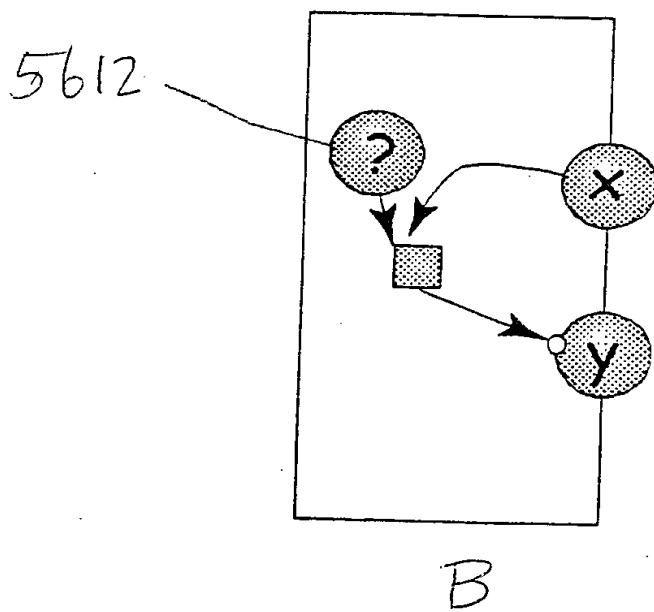
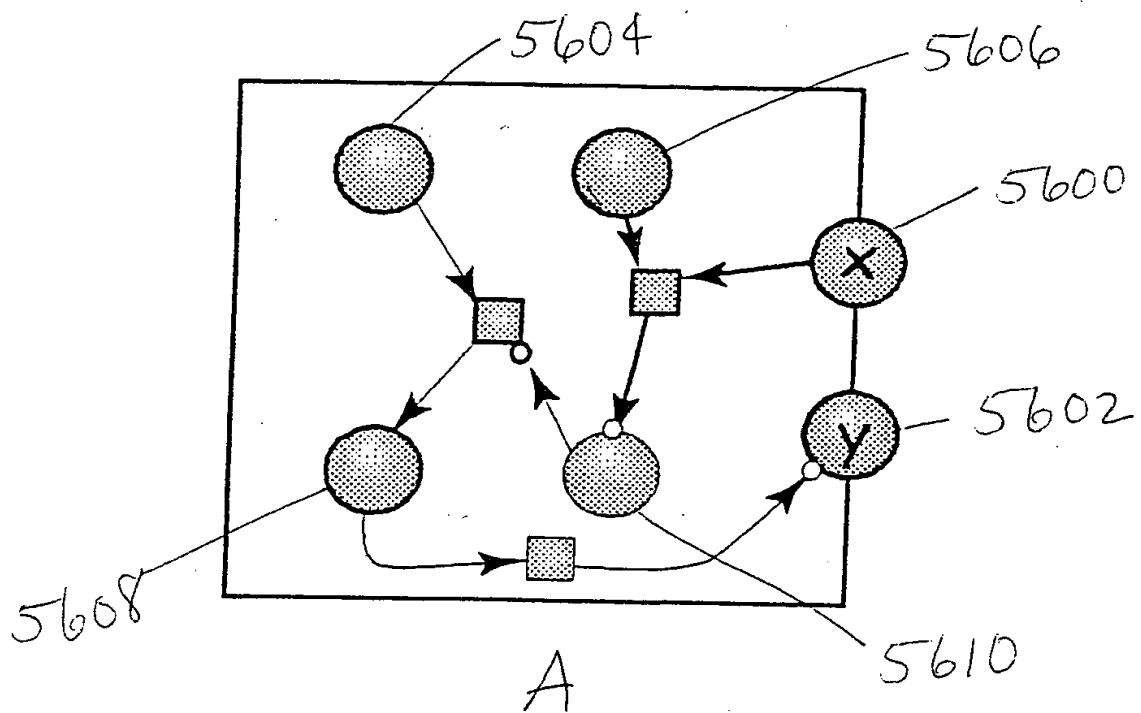


FIG. 56

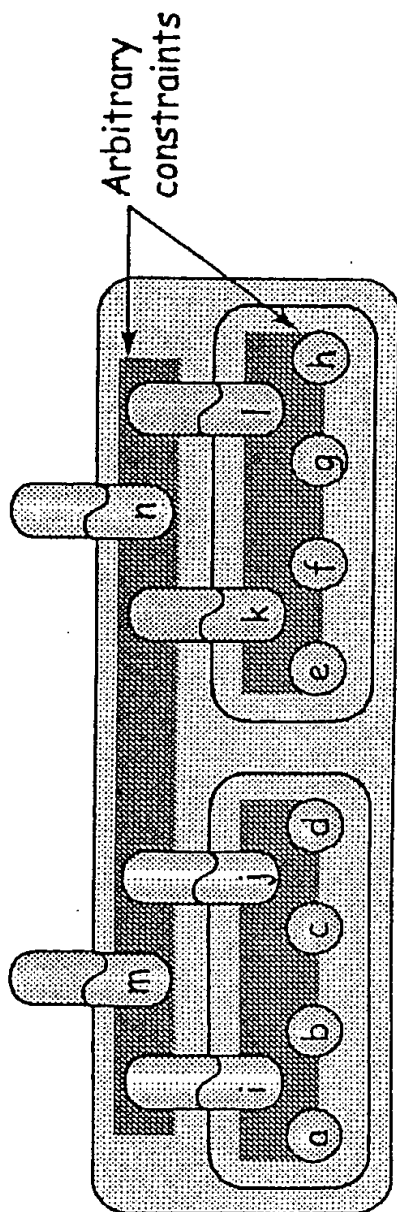


FIG. 57